



CALIFORNIA SCHOOLS

MAY, 1958



ROY E. SIMPSON
SUPERINTENDENT OF
PUBLIC INSTRUCTION

CALIFORNIA SCHOOLS

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ROY E. SIMPSON
Superintendent of Public Instruction

EDITOR
IVAN R. WATERMAN
Chief, Bureau of Textbooks and Publications

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THE COVER ILLUSTRATION is the work of an enterprising student of the
California State Board of Education and of Secondary and Higher Education,
the Superintendent of Public Instruction.

ROY E. SIMPSON SUPERINTENDENT OF PUBLIC INSTRUCTION

Roy E. Simpson, a native of California, has been Superintendent of Public Instruction and Director of Education since 1945. Dr. Simpson's experience in California public schools began in 1915 when he accepted a teaching position in Anderson Union High School. After he had been in this position for two years and served in the United States Army for two years during World War I, Dr. Simpson was made principal of the high school, a position he held for nine years. In 1927 he accepted the principalship of Emerson Junior High School and the evening high school in Pomona and then in 1933 resigned to become superintendent of the Gilroy elementary and high school districts. Three years later he was superintendent of schools in Santa Cruz, and in 1940 he became superintendent of the South Pasadena City School District and the South Pasadena-San Marino High School District. Dr. Simpson left this latter position to accept the one he now holds.

During the time Dr. Simpson has been Superintendent of Public Instruction he has been continuously faced with many new and major problems. Certain of these problems have involved keeping the curriculum geared to local, national, and world developments. Others have resulted from the rapid enrollment growth and the ever-increasing demand for higher education.

In meeting these and other problems the State Department of Education has provided leadership in various activities such as securing state aid for needy school districts that have had to construct buildings to care for increased enrollments; district reorganization that has resulted in improved educational services; strengthening of the offices of county superintendents of schools by placing them on a high professional level; extending opportunity for higher education by increasing the number of state college campuses and encouraging the development of junior colleges; increasing state college facilities so that large increases in enrollments can be appropriately cared for; providing dormitory facilities for state college students that are modern and that make it possible for each student to have proper supervision while he is living away from home; and strengthening driver education to further safety on California highways. At present, state-wide studies are being made to determine how the social studies program for kindergarten through grade fourteen can be modernized, strengthened, and extended; to determine how gifted children can be educated most effectively; and

to find ways of helping emotionally disturbed children to overcome their difficulties.

In addition to carrying the responsibilities associated with his various positions, Dr. Simpson has been exceedingly active in numerous professional organizations. He has served two terms as a member of the Board of Directors of the National Council of State School Officers and has been both Vice President and President of the Council. He has been President of the California Association of School Administrators and is a life member of the California Congress of Parents and Teachers, Inc. Dr. Simpson has been and continues to be active in the California Teachers Association and its various divisions.

Dr. Simpson is active in numerous civic and fraternal organizations. He gives generously of his time and effort in furthering any cause that will help to make life both full and wholesome.

Dr. and Mrs. Simpson have their home in Sacramento. Of their three sons, one is a dentist in South Pasadena; another is affiliated with the Golden State Company in Humboldt County; the third son is engaged in the insurance business in Alaska. Fishing is one of Dr. Simpson's most absorbing hobbies, and salmon fishing is always a main attraction on his trips to Alaska.

SPECIAL OPPORTUNITIES FOR SCHOOL PERSONNEL IN CALIFORNIA SUMMER SESSIONS, 1958

The following compilation of special features to be offered in college and university summer sessions in California in 1958 has been prepared from information supplied by institutions authorized by the State Board of Education to recommend candidates for credentials for public school service.

The institutions recording summer sessions this year are arranged in alphabetical order, each with a heading which gives the address of the institution, the dates of its summer term or terms, tuition rates per semester or quarter unit, and the name and title of the director of the session. The material is limited to special or unusual features, intensive short-term conferences, workshops, or institutes. Each offering is briefly characterized and identified by catalog number and other details if available, such as units to be earned, prerequisites, limitations on enrollment, or special fees. In many cases, persons to whom inquiries may be directed are listed. Unless otherwise noted, requests for additional details are to be sent in care of the institution.

The paragraph entries are numbered serially in the right-hand margin, in bold type. These entry numbers are employed in a subject index that is provided at the end of the compilation for convenient reference by readers seeking information about features in a particular field.

Persons interested in enrolling for summer session study should write promptly to the individual institutions for further information, catalogs, and application blanks.

CALIFORNIA COLLEGE OF ARTS AND CRAFTS, Broadway at College Avenue, Oakland

Fifty-second Annual Summer Session: June 23 to August 1

Fees: \$20 per semester unit

John Sowaal, *Director of the Summer Session*

June 23 to August 1—ART HISTORY (S163, 2 units). Problems in art history. Hal Turner Wilmeth. **1**

June 23 to August 1—PHILOSOPHY AND THEORY OF ART (S268, 3 units). Analysis of the important philosophical systems in regard to the arts, with special consideration of the function of art in contemporary society. By consent of the instructor. William West. **2**

June 23 to August 1—ART HISTORY COLLOQUIUM (S263, 2 units). Problems in art history, and preparation for examination. By consent of the instructor. Hal Turner Wilmeth. **3**

June 23 to August 1—CERAMICS (S52AB, S152Ab, 3 units). All phases of pottery making, glazes, and kiln firing techniques. Laboratory fees, \$10. Vernon Cockendall. **4**

- June 23 to August 1—**COMMERCIAL DESIGN** (S142ABCD, 3 units). Advertising art and package design from roughs to comprehensives and finished art work. Carol Purdie. **5**
- June 23 to August 1—**DRAWING** (S11AB, 3 units). Introduction to drawing in all media. Model fees, \$3.50 or \$5. Harry Krell. **6**
- June 23 to August 1—**WATERCOLOR** (S23AB, S123AB, 3 units). Basic course in figure study, still life, landscape, and painting from imagination. Louis Miljarak. **7**
- June 23 to August 1—**SCULPTURE** (S33AB, S133AB, 3 units). Exploration of the problems of form and space. Experimental use of materials. Wood, stone, clay, magnesite, welded steel. Sculpture fee, \$7.50. John Sowaal. **8**
- June 23 to August 1—**PRINTMAKING** (S131, 3 units). Planographic and intaglio approach to printmaking. Lithography, etching, aquatint, burin engraving, and dry point. Laboratory fee, \$3.50. Robert Strohmeier. **9**
- June 23 to August 1—**SILK SCREEN** (S155AB, 3 units). Hand silk screen processes on paper and fabrics. Use of paper, film, and glue stencils. Laboratory fee, \$7.50. Alton Raible. **10**
- June 23 to August 1—**PUBLIC SCHOOL ART METHODS** (S177, 3 units). A variety of approaches to teaching arts and crafts in the classroom at the primary and secondary levels. Elton Davies. **11**
- June 23 to August 1—**CREATIVE ART FOR CHILDREN, AGES 9 TO 11 YEARS** (No credit). Includes materials and tuition, \$27. Evelyn Brezee. **12**
- June 23 to August 1—**EARLY TEEN-AGE ARTS AND CRAFTS, AGES 12 TO 14 YEARS** (No credit). Miscellaneous fees and tuition, \$27. Instructor to be announced. **13**
- June 23 to August 1—**DESIGN WORKSHOP** (S141, 3 units). Exploration of the basic theories of design and color. Industrial design, interior design, theatre design and display. Lectures, illustrations, experiments. Eric Stearne. **14**
- June 23 to August 1—**METAL AND JEWELRY** (S54AB, S154AB, 3 units). Contemporary jewelry and metalwork. Laboratory fee, \$5. LeRoy King. **15**
- June 23 to August 1—**PHOTOGRAPHY** (S158AB, 3 units). Various cameras, their accessories and uses. Lighting, exposure, developing, and printing. Laboratory fees, \$5. Louis Miljarak. **16**
- June 23 to August 1—**EXPERIMENTAL MOTION PICTURES** (S157, 3 units). Laboratory technique in the direction and production of experimental motion pictures. Louis Miljarak. **17**
- June 23 to August 1—**WEAVING** (S56AB, S156AB, 3 units). Four-harness loom weaving. Analysis of weaves and techniques. Laboratory fees, \$5. Kazuko Sekimachi. **18**
- June 23 to August 1—**PAINTING** (S123AB, 3 units). Experiments with all painting media, and the employment of variety in subject matter. Maurice Lapp. **19**
- June 23 to August 1—**GENERAL PSYCHOLOGY** (S66, 3 units). A study of the various aspects of human behavior and its roots, particularly from the approach of the behaviorist, the gestaltist, and the psychoanalyst. William West. **20**

CALIFORNIA STATE POLYTECHNIC COLLEGE, San Luis Obispo

Summer Quarters: Four Weeks Term, June 23 to July 18

Six Weeks Term, July 21 to August 29

Fees: \$13 per quarter; special fees for conferences and workshops

Address inquiries to Admissions Officer

June 17 to June 21—**ANNUAL SKILLS WEEK** (Ed. 621C, Agricultural Skills, 1½ quarter units). A week's training in teaching methods and techniques and in up-to-

date agricultural practices relating to poultry husbandry, dairy husbandry, and farm mechanics. Program is offered in co-operation with the Bureau of Agricultural Education. Registration fee: \$1. Reservations should be made through H. H. Burlingham. **21**

June 23 to June 27—CALIFORNIA AGRICULTURAL TEACHERS ASSOCIATION CONFERENCE (Ed. 631C, Agricultural Teaching Problems, 1½ quarter units). A co-operative program of C.A.T.A. with the Bureau of Agricultural Education and the college. Professional and technical material will be presented under the direction of the Bureau of Agricultural Education. Registration fee: \$1. Address inquiries to H. H. Burlingham. **22**

July 7 to July 11—SCHOOL LUNCH WORKSHOP (HE 631, Nutrition; HE 632, Beginning Menu Planning; HE 634, Lunchroom Sanitation, Storage, and Safety; and HE 636, Advanced Menu Planning for Elementary Schools; 1½ quarter units, each course). Only one course a week may be taken. Enrollment limited. Fee: \$7.50. Address inquiries to School Lunch Workshop. **23**

July 14 to July 18—SCHOOL LUNCH WORKSHOP (HE 631, Nutrition; HE 632, Beginning Menu Planning; HE 633, Food Purchasing; and HE 636, Advanced Menu Planning for Secondary Schools; 1½ quarter units, each course). Only one course a week may be taken. Enrollment limited. Fee: \$7.50. Address inquiries to School Lunch Workshop. **24**

July 7 to July 18—SOCIAL STUDIES WORKSHOP (SSc 621, Curriculum in Secondary Social Studies; or Ed. 621, Curriculum in Elementary Social Studies; 3 quarter units). Part of a state-wide program sponsored by the California State Department of Education whereby teachers, elementary school through junior college, can assist in planning social studies curriculums. Fee: \$15, payable to Cashier, California State Polytechnic College, on or before July 7, 1958. Address inquiries to Social Studies Workshop. **25**

August 4 to August 15—Eleventh annual CALIFORNIA WORKSHOP IN PHYSICAL EDUCATION FOR SECONDARY SCHOOL MEN (PE 621C, 2 or 4 quarter units). Sponsored in co-operation with the college by the California Association for Health, Physical Education, and Recreation, and the State Department of Education, and conducted under direction of a representative state-wide committee. Fee: \$10 or \$20. Living accommodations for participants and their families will be available on the college campus. Address inquiries to the college, or to J. B. Haralson, Kern County Joint Union High School District, Bakersfield. **26**

August 10 to August 22—Ninth annual CALIFORNIA WORKSHOP IN PHYSICAL EDUCATION FOR SECONDARY SCHOOL WOMEN (PE 621C, 4 units). Sponsored in co-operation with the college by the Bureau of Health Education, Physical Education, and Recreation, State Department of Education. Courses in 18 fields of physical education. Fees: Registration \$20; workshop \$5. Living accommodations for participants will be available on the college campus. Address inquiries to the college or to Margie J. Morrison, 129 North St. Andrews Place, Los Angeles 4. **27**

CHAPMAN COLLEGE

333 North Glassell Street, Orange

Summer Sessions: First Session, June 16 to July 18

Second Session, July 21 to August 22

Fees: \$18 per semester unit

Paul H. Demaree, Director, Evening Division and Summer School

June 18 to July 2—SUMMER LABORATORY—CHILD DEVELOPMENT (2 credits). Mrs. Naomi S. Troxell, Guidance Consultant, Office of County Superintendent of Schools, Orange County. **28**

June 27 to August 29—EUROPEAN CIVILIZATION—A study tour (5 units in History, Religion or Art). Guy M. Davis and Netter Worthington. **29**

August 18 to August 29—WORKSHOP, COUNSEL FOR IN-SERVICE EDUCATION (2 credits). Willard H. Saucerman, Director of Instruction, Office of County Superintendent of Schools, Orange County. **30**

CHICO STATE COLLEGE, Chico

Presession: June 9 to June 13

Summer Session: June 16 to July 25

Post Sessions: Redding, July 28 to August 8

August 11 to 22

McCloud, July 28 to August 8

August 11 to 22

Yreka, August 11 to August 22

Grenada, August 11 to August 22

Chico, July 28 to August 1

Fees: \$9.50 per semester unit

Victor M. Houston, *Dean of Educational Services and Summer Sessions*

June 9 to June 13—CLINIC IN READING PROBLEMS (Ed. s327ABCD, 1 unit). A clinic for elementary and secondary school teachers, concerned with developmental and corrective reading programs. William Sheldon and consultants. **31**

June 9 to June 13—UNIFIED LANGUAGE ARTS PROGRAM (Ed. s333A, 1 unit). Emphasis on the integration of the language arts: listening, speaking, writing, spelling, and language usage. Bernard Belden. **32**

June 9 to June 13—WORKSHOP IN USE OF SPONSORED TEACHING MATERIALS (Ed. s110, 1 unit). Evaluation and use of commercially sponsored teaching materials. Representatives of business and industrial firms will sponsor the exhibit of teaching aids and will provide participants in the workshop with free and inexpensive materials. George Roseman. **33**

June 9 to June 13—WORKSHOP IN PASTORAL COUNSELING (Psych. s160, 1 unit). Intensive survey of counseling concepts and techniques for the clergyman. Interfaith and interdenominational. Open only to active clergymen. Daily, 9 to 11; laboratory demonstrations, 1 to 3. **34**

June 9 to June 13—WORKSHOP IN PROGRAM PLANNING AND LEADERSHIP IN RECREATION (Recreation s176A, 1 unit). Preparation for work with community recreation and summer recreation programs. Complete planning of the community recreation program with emphasis on summer recreation program planning for smaller cities. Includes arts and crafts, athletics and sports, music, drama, aquatics, and day camp activities. Students are urged to follow this presession course with Recreation s176B, during the regular summer session. Don Adece. **35**

June 16 to June 27—WORKSHOP IN BUSINESS EDUCATION (Ed. s154, 1 or 2 units). Opportunities for teachers of business to analyze their problems and plan improved methods of instruction. Guest lecturers and consultants. Two hours daily. Albert C. Fries. **36**

June 16 to June 27—WORKSHOP IN HOUSEHOLD APPLIANCES (Home and Family Living s113, 2 units). Selection, use, care, repair, and arrangement of equipment for the home. Planned for homemakers, teachers, and store personnel. Mrs. Margaret Mahler. **37**

June 16 to July 11—MUSIC WORKSHOP. Qualified students of elementary and high school age will be granted tuition-free scholarships upon the recommendation of their music supervisors. Address inquiries to Joseph M. Wilson. **38**

June 16 to July 11—WORKSHOP IN TEACHING THE SOCIAL STUDIES (Ed. s271B, 4 units). Offered in cosponsorship with the California State Central Committee on the Social Studies, the workshop is open to administrators, consultants, and teachers of

the social studies. Laboratory approach under guidance of a team of instructors. Sectioning by grade levels, kindergarten through grade fourteen. Study of work of the State Central Committee on the Social Studies. Emphasis on illustrative courses of study, resource units, teaching practices and materials, and criteria for textbook selection. Charles L. Millis, Katherine W. Dresden and consultants. **39**

June 16 to July 25—WORKSHOP IN GROUP GUIDANCE PROCEDURES (Psych. s157, 4 units). Designed to serve the needs of high school teachers who offer such courses as: Freshman Orientation, Personal Development, Marriage and Family Relations, Personal Problems, and Senior Problems. Emphasis on individual plans for course development, and on content and methods of teaching. Hugh M. Bell. **40**

June 9 to July 18—GEOGRAPHY FIELD TOUR OF CALIFORNIA (Geog. s43-s143, s44-144, 6 units). The tour, by chartered bus, will include the Sierra Nevada, the Central Coast, the Northwest, the Sacramento Valley, and the southern Cascade Range. There will be a minimum of 180 clock hours of instruction under the direction of regular members of the Chico State College faculty. In addition, students will have time for hiking, sports, and general enjoyment of the California outdoors. Address inquiries to David Lantis. **41**

June 16 to July 25—DEMONSTRATION CLASSES, Aymer Jay Hamilton Elementary School. Classes will be maintained to demonstrate methods of teaching in one-grade and multi-graded situations. **42**

June 16 to July 25—STUDENT TEACHING (Ed. s150, 4 units). For those with emergency or provisional credentials. Opportunities will be limited. Address application to J. Russell Morris, Co-ordinator of Student Teaching. Each candidate should request his superintendent or principal to write a supporting letter to Dr. Morris. **43**

June 16 to July 25—DAY RECREATION CAMP, Bidwell Park, Chico. Organized for children of elementary school age and for the training of teachers who are interested in camping education. **44**

June 24, 25, 26—EDUCATIONAL EXHIBIT. A special feature of the summer session is an educational exhibit in which representatives of publishing houses and school equipment companies display and explain to individuals and to classes the latest and best teaching materials and school equipment. Address inquiries to J. Russell Morris. **45**

CLAREMONT SUMMER SESSION, Harper Hall, Claremont

First Term: June 23 to August 1

Second Term: August 4 to September 6 (Liberal Arts only)

Fees: Registration \$3; tuition, \$20 per semester unit

Luther J. Lee, Jr., Director of the Summer Session

July 7 to July 11—Twenty-sixth annual CLAREMONT COLLEGE READING CONFERENCE, sponsored jointly by Pi Lambda Theta and the summer session. This year's theme is: "Reading in the Geophysical Age." The conference sessions are especially designed for elementary and secondary teachers and administrators. A fee of \$15 is charged for persons not regularly enrolled in the summer session. Twenty-three yearbooks have been published as outcomes of the conferences. They are widely used in schools and by persons interested in developing better reading abilities. **46**

July 14 to July 17—YOUTH WELFARE CONFERENCE. The Claremont Summer Session will again be host to a workshop on youth problems sponsored by the Governor's Advisory Committee on Children and Youth, the California Youth Authority, the California Congress of Parents and Teachers, Inc., and other statewide organizations concerned with youth welfare. All who work with children and youth will find the program of interest and value. **47**

June 23 to July 18—WORKSHOP ON THE TEACHING OF READING (Ed. 213, 4 units).

Designed to assist classroom teachers, curriculum consultants, and administrators in developing more effective instructional programs in reading. Led by reading specialists, workshop participants may select problems of particular interest for intensive study. New concepts and programs in the teaching of reading will be presented. Problems to be considered include the following: individualized reading programs, the relationship of vision to reading, reading problems and programs in the secondary school, improving reading instruction in the elementary school (remedial reading, testing and evaluating, and the like). The workshop will include attendance at the twenty-sixth annual Claremont Reading Conference, oldest conference in the United States concerned exclusively with the improvement of reading. Daily, 9 to 12. Malcolm P. Douglas and staff. **48**

June 30 to July 18—WORKSHOP ON THE SOCIAL STUDIES CURRICULUM (227b, 3 units).

Planned in co-operation with the California State Central Committee on Social Studies, this workshop will refine the curricular design for the social studies, kindergarten through junior college, and will implement this new program with units, materials, and teaching sequences. Daily, 9 to 12. Adrian N. Gentry and staff. **49**

June 23 to August 1—INSTITUTE OF BIOLOGY FOR HIGH SCHOOL AND JUNIOR COLLEGE

TEACHERS (231, 4 units). Sponsored jointly by the National Science Foundation and the Claremont Summer Session. Morning and afternoon sessions will be devoted to lectures and discussions by eminent scientists and staff members, in four main areas: physiology, genetics, systematics, and ecology. Emphasis on the latest methods and findings in the field, together with a consideration of teaching problems. Limited to 50 teachers and supervisors. For information on admission and financial aid, write to the Director of the Summer Session. Willis E. Pequegnat and consultants. **50**

July 7 to July 18—WORKSHOP ON GENERAL MUSIC FOR THE ADOLESCENT (Ed. 133b,

233b, 2 units). For classroom teachers, music specialists, consultants and administrators. Through lectures, discussions, demonstrations, observation of student groups and class participation, the sessions will include consideration of philosophy and objectives; materials and techniques which promote listening; directed movement; using informal and social instruments; improvising parts for group singing; utilizing and developing music reading, performance skills, and the contributions which music can make, as enriching resource material for the social studies. This workshop is included in Ed. 133a, 233a, but may be taken independently. Daily, 1:30 to 4. Karl D. Ernest, John R. Keith, and Bertha A. Landis. **51**

June 23 to July 4—WORKSHOP ON MUSIC AND MOVEMENT (134b, 234b, 2 units).

Integration of the common elements of music and movement designed to foster the growth of the teacher and child in imagination and expression. The workshop will include active participation by members as well as observation of children's groups. Planned to meet the needs of classroom teachers, music and physical education specialists, administrators and supervisors. Daily, 8 to 11. Madge E. Kamm, Mary Val Marsh, and Arlie Richardson. **52**

July 7 to August 1—WORKSHOP ON ELEMENTARY MUSIC EDUCATION (134c, 234c, 2

units). Complements, in material and procedures, the WORKSHOP ON MUSIC AND MOVEMENT. The first 10 sessions will involve active participation with a group of classroom teachers in an elementary school situation and will cover all basic music experiences for children, kindergarten through grade six. Materials will be chosen from the new and existing state texts and supplementary series, enriched by an introduction to, and use of recorded music. Attention will be given to a correlation of music with the social studies, and to construction and use of rhythm instruments. Procedures and techniques of instruction will be demonstrated and discussed, with specific suggestions for the teacher who feels he needs more preparation to teach children. Madge E. Kamm. **53**

June 23 to July 18—WORKSHOP ON SCIENCE IN THE ELEMENTARY SCHOOL (237, 2

units). Designed for teachers, supervisors, and administrators, who are concerned

with developing curriculums, and planning instructional programs in keeping with the needs of our times. Workshop members are asked to bring questions and problems from their own teaching situations. Special assistance will be given school districts wishing to send teams studying problems in the improvement of science teaching in their schools. Daily, 2 to 4. Hinze. **54**

July 21 to August 15—WORKSHOP ON CHILDREN'S LITERATURE (242b, 4 units). The development of children's literature from the day of John Newberry to the present time; the great figures in children's literature; a consideration of the types of children's books—realistic stories, folklore, fantasy, poetry, informational books, and picture books; how to evaluate and select children's books; and a discussion of the books suitable to the varied interests and developmental levels of children. Opportunity will be given for practice in reading aloud from the literature which seems especially well adapted to classroom use. Opportunities for creative work in the field will also be suggested. Daily, 2 to 4. Mrs. Neff. **55**

June 23 to July 18—WORKSHOP ON CHILDREN OF THE WORLD AND THEIR CHANGING CULTURES (245, 4 units). Designed to enable elementary and secondary teachers to gain an accurate and up-to-date understanding of the development and education of children and youth in the major countries of the world. Emphasis will be given to comparative study of child-rearing practices; to the relation of educational programs to the uniqueness of cultures; and to related political and social trends. Special attention will be given to problems and materials that relate to the American school child's education about the peoples of East and West. Daily, 2 to 4. Dengler and staff.

Students may continue their study with Mr. Dengler by taking THOUGHT AND CULTURE OF MODERN EUROPE (History 115, 217). **56**

July 21 to August 1—AUDIO-VISUAL EDUCATION (246, 2 units). An intensive course on the theories and methods of visual instruction in elementary and secondary schools. The course will emphasize the analysis of teaching problems to determine audio-visual needs, selection and location of materials, techniques for using materials, and use of equipment. Daily, 2. Muffley. **57**

July 21 to August 15—WORKSHOP IN PARENT CONFERENCING: THE FAMILY AND THE PARENT-CHILD-TEACHER RELATIONSHIP (217d, 4 units). The issues, problems, and techniques related to the teacher's function in parent conferencing and parent education in a democracy will be developed. Emphasis will be on theoretical considerations; on projects of interest to individuals or school team groups; and on laboratory experiences. Material on the changing pattern of the child-parent relationship in American homes, and on the teacher's proper role in this relationship. Daily, 8:30 to 11. Mrs. Wolman. **58**

June 23 to July 18—WORKSHOP ON TEACHING AND GUIDANCE FOR YOUTH AS CITIZENS OF A FREE SOCIETY (217f, 4 units). Designed to provide opportunity for teachers, guidance specialists, administrators and youth group workers to study intensively the changing character of adolescents and the American social order. Emphasis will be on practical implications for guidance and counseling services, secondary school organization, and specific programs of study in the humanities and youth group work. A cultural anthropologist will assist in the workshop, part-time. Patterson, McNassor and staff.

Credit may be applied toward pupil personnel, secondary, and secondary administration credential programs. Students may register for the workshop under Ed. 222, or Advanced Secondary Ed. if more appropriate. School administration students will take this workshop in place of Ed. 261c. Two additional units may be earned by continuing course work with Mr. Patterson from July 21 to August 1. 8:30 to 11. **59**

WORKSHOP ON SECONDARY MUSIC EDUCATION (133a, 233a, 6 units). A course planned for music specialists and classroom teachers interested in the music program for grades seven through twelve. It will include a study of philosophy, procedures and materials. Attention will be given to the function of music in the secondary school curriculum, and to the effective planning and development of the total music program. Opportunity for work on individual teaching problems in instru-

mental, vocal and general music will be provided. Daily, 1:30 to 4. John R. Keith. 60

INTERNSHIPS IN OCCUPATIONAL GUIDANCE (217c, 6 units). A campus-field seminar established through the co-operation of business and industrial concerns in Southern California, for counselors and administrators. Each seminar member will spend four weeks (160 hours), as a paid intern under the guidance of the personnel director of a major organization. Special emphasis will be placed upon the problems of occupational guidance in the fields of science and technology. Those interested should write to the Director of the Summer Session, for a special brochure. Elwood N. Chapman. 61

COLLEGE OF THE PACIFIC, Stockton 4

Intersession: June 9 to June 16

First Summer Session: June 17 to July 18

Second Summer Session: July 21 to August 22

Tuition: \$17.50 per semester unit

J. Marc Jantzen, Dean of the Summer Sessions

June 9 to June 16—BIOLOGY INTERSESSION, Pacific Marine Station, Dillon Beach (Zool. M122, Marine Biology, 2 units; Zool. M124, Field Zoology, 2 units). Methods of making field observations and conducting field trips; collecting, mounting, and preserving specimens. Laboratory fee, \$4. Lodging \$8 for nine days, not including blankets and linens. Meals approximately \$12 in student-operated community kitchen. Enrollment limited to 48 students. 62

June 23 to July 3—SIXTH ANNUAL FAMILY LIFE EDUCATION WORKSHOP (Ed. 260a, 2 units). Two weeks of concentration on the problems arising from family finance. Group limited to 45. Admission by application only. Address inquiries to Fay Goleman, Co-ordinator. 63

June 17 to July 18—WORKSHOP FOR ELEMENTARY SCHOOL TEACHERS (Ed. 136, Kindergarten-Primary, 4 units). For experienced teachers who want new practical ideas and help on school problems. The KINDERGARTEN-PRIMARY WORKSHOP will be conducted by Clara Carter, Supervisor of Kindergarten and Primary Education, Sacramento Unified School District. 64

June 17 to August 22—CLINICAL SERVICES FOR PUBLIC SCHOOLS. Organized to give community service as well as student training. Contacts with parents and children are provided in the several clinics for the purpose of getting acquainted with the child's problems and needs. Psychological testing is used as an aid in the evaluative process. The clinical services staff holds weekly meetings in order to discuss procedures for aiding the children and their families. A psychiatrist is called to the staff conferences as needed. Emphasis is placed upon a multiple clinic approach to the problems of human adjustment. The several clinics offer specialized training at an advanced level to teachers, administrators, and other professional workers. For further information regarding either client service, or student training write to George S. Ingebo, Chairman of the Clinical Services Committee.

A limited number of elementary and secondary school pupils who have reading disabilities can be accommodated in the READING CLINIC.

The SPEECH CLINIC will feature an eight-week program for clients who have need for individual or group therapy.

A five-week session of MUSIC EXPERIENCE will be offered for children, on an individual and group therapy basis. Special attention will be given to individuals with physical limitations, such as the blind, partially sighted, hard of hearing, and cerebral palsied, and those with speech limitations. 65

June 17 to July 18—WORKSHOP IN THE UNDERSTANDING OF BUSINESS AND INDUSTRY (Ed. 260c, 6 units). Designed to orient teachers on the foundations and characteristics of American business and industry. The first and last weeks will be

conducted on a seminar basis with outstanding business leaders as guest speakers and as resource personnel. The participating teachers will be assigned to co-operating business organizations during the second through fourth weeks. Donald S. Bibbero will direct the workshop. **66**

June 22 to August 10—WORKSHOP IN THEATRE (Speech S160, S260, 6 units). Theatre training, technical and acting experience, and practice in various phases of theatre arts, for the eighth season of public performances by the co-operative repertory Pacific Theatre Columbia Company. Conducted at historic Fallon House Theatre in Columbia State Park, restored ghost town of the Mother Lode. Housing and meals in dormitory style at Columbia. For complete prospectus and full information address De Marcus Brown, executive director, Pacific Theatre Columbia Company. **67**

June 23 to July 11—WORKSHOP IN SOCIAL STUDIES CURRICULUM (Ed. S260b, 3 units). Intensive, critical study of what is taught in social studies, kindergarten through grade fourteen. The workshop is cosponsored with the California State Central Committee on Social Studies. Edwin Ingles, Dean of Instruction, Modesto Junior College, will be in charge, assisted by Mrs. Uriel Shields, Consultant in Elementary Education, Stockton Unified School District; and Carl D. Lang, Director of Secondary Education, College of the Pacific. **68**

July 28 to August 9—Eleventh annual FOLK DANCE CAMP (1 unit each week). Introductory and advanced instruction in two consecutive sessions of six full days each, with an international staff of 30 leaders and specialists. A graduate seminar will be offered for teachers. Regular tuition is charged and a fee of \$12.50 per unit. Address inquiries to Lawton Harris, Folk Dance Camp Director. **69**

July 7 to July 18—EDUCATIONAL TELEVISION LABORATORY WORKSHOP (Ed. 260d, 2 units). A unique workshop in educational television presented in co-operation with television station KOVR, Channel 13, Stockton. The entire studio facilities of KOVR will be available for student work during the three-hour daily laboratory sessions. The workshop is especially designed to prepare teachers and community workers for future work in educational television. Fee: \$10. Richard Elliott. **70**

July 27 to August 1—ADMINISTRATION OF ADMISSIONS, REGISTRATION, AND RECORDS IN HIGHER EDUCATION (Ed. 264, 265, 1 unit). A study of the profession, its development and its services, and a review of policies and procedures. This is a basic course for members of the profession, and for those who may be interested in entering the field of college and university administration. Fee: \$5. Workshop director, Ellen L. Deering, College of the Pacific Registrar, assisted by R. E. McWhinnie, University of Wyoming, and Herman E. Spindt, University of California. **71**

July 7 to July 18—WORKSHOP IN RELATED ART IN THE HOME (Home ec. 260, 2 units). A concentrated course in the study and application of basic principles in the home arts, such as flower arrangements, bulletin boards, picture framing, simple weaving, and table decoration. Maxine Garrigan and Edna P. Gehlken. **72**

FRESNO STATE COLLEGE, Fresno

Fresno Campus Session: June 16 to July 25

Fresno Post Session: July 28 to August 29

Bakersfield Session: June 16 to July 25

Visalia Presession: July 21 to July 25

Visalia Session: July 26 to August 29

Fees: \$9.50 per semester unit

Edward M. Spencer, *Dean of Educational Services and Summer Session*

WORKSHOPS FOR ELEMENTARY TEACHERS will be offered at various San Joaquin Valley points under the sponsorship of city and/or county school systems. These sessions

will occur during the last weeks of the post session or the weeks following, just prior to the opening of the fall semester, and are designed to give practical assistance with classroom curriculum problems. For further information write to Edward M. Spencer. **73**

June 16 to July 25—WORKSHOP FOR TEACHERS OF LANGUAGE ARTS IN SECONDARY SCHOOLS (Ed. 278, 3 units). A seminar to assist teachers in English and speech in dealing effectively with the language arts curriculum now being followed in secondary schools. The course will review and re-emphasize the rationale for the language arts approach in teaching the four communicative skills, and will trace curriculum development up to the current program. Assistance in the acquiring of skills and methods necessary for effective presentation will be provided. For further information write to Howard Campbell, Division of Speech Arts. **74**

June 16 to July 25—COURSES FOR BASKETBALL AND FOOTBALL COACHES (P.E. 163s, P.E. 164s, 2 units each). For the first time Fresno State College is featuring two athletic coaching courses in football and basketball, which will be of interest to prospective coaches and to those who are now coaching football and basketball in the area. For the first three weeks of the Fresno campus session, beginning June 16 and ending July 3, Clark Van Galder will offer a course in the coaching of football. Beginning on July 7 and ending July 25, Lillian Vandenburg will follow with a course in the coaching of basketball. Both courses will provide valuable information and assistance to coaches in the respective fields. For further information write to the office of the Dean of Summer Session. **75**

June 16 to July 25—BUSINESS INTERNSHIP FOR TEACHERS AND COUNSELORS (Bus. 295s, 6 units). Teachers of all subjects will be given the opportunity to obtain experience working in business and industrial firms of the area. The purpose of the program is to enable teachers and counselors to understand the conditions under which students have to work, and to learn firsthand the requirements of business and industrial employment. The six-week program will include a week of orientation beginning June 16; four weeks of work experience; and one week of evaluation, beginning July 21. Those enrolled will assume full-time positions for which compensation at the regular rates will be paid. Jobs may be obtained by the participant himself or by the college. Every Wednesday evening during the work experience portion of the course, the students will meet for discussion and study. The course will be under the direction of Richard N. Helm, Director of Business Education for the Fresno Unified School District. Enrollment is limited to the number of jobs available. A \$10 deposit must accompany the application, to be received no later than June 1. For further information write to McKee Fisk, Head, Business Division. **76**

June 16 to July 3, Fresno; July 7 to July 25, Bakersfield—SOCIAL STUDIES WORKSHOPS (Ed. 278, 3 units). Fresno State College is again co-operating with the State Department of Education and the California State Central Committee on Social Studies in conducting a workshop on the Fresno State College campus from June 16 to July 3, and at Bakersfield, beginning on Monday, July 7 and ending July 25. Kenneth Weeks will direct the workshops, assisted by W. C. Beatty, Jr., and James E. Solt, Co-ordinator of Social Studies, Office of the County Superintendent of Schools, Fresno County. The workshops will be open to teachers, administrators, or supervisors with a background of experience in social studies at the elementary or secondary levels. Prior application for admission to enroll is requested. The workshops which offer an opportunity for individuals to contribute to the formulation of a social studies program for California schools, are staffed by instructors who have specialized in the field of social studies, and by resource persons from the social sciences. The workshops will include the preparation of instructional materials for the program formulated by the State Central Committee. For further information write to Dean of Summer Session. **77**

June 16 to July 25—SPEECH THERAPY—VOICE SCIENCE WORKSHOP (Speech 150, 2 units; Speech 152, 2 units; Speech 155, 2 units). Attention will be concentrated upon speech for teachers and on methods for correcting the speech defects of

children. The work will include theory, observation, and practice. Students may register for FUNDAMENTALS OF ORAL COMMUNICATION (Speech 121), which serves as a general education requirement for all degrees and is slanted to the speech needs of teachers. Qualified students may register for INTRODUCTION TO SPEECH CORRECTION (Speech 150), METHODS IN CORRECTION OF SPEECH DEFECTS (Speech 152), and CLINICAL PRACTICE IN SPEECH AND HEARING THERAPY (Speech 155), all required courses for the special credential in speech correction. The workshop will be directed by Donald M. Wilson, assisted by Mrs. Maria O. H. Ingram. Address inquiries to John W. Wright, Head, Speech Department. **78**

June 16 to July 25—CHEMISTRY FOR SECONDARY SCIENCE TEACHERS (Chem. 270s, 3 units). Designed to provide information for in-service high school and junior college teachers about new and recent developments in the rapidly growing science field. It will provide information about sources of new materials needed in the classroom, and about the various and new points of emphasis in science instruction. The course will deal with topics in both theoretical and descriptive areas in the field of science. For further information write to the office of the Dean of the Summer Session. **79**

June 16 to July 25—GENERAL METHODS OF SECONDARY TEACHING (Ed. 159s, 2 units). Students who are working toward a general secondary credential will need to complete a course stressing general methods in teaching content areas such as social studies, science, English, and the like. This course, designed to meet such needs, will be offered at the Fresno Campus Session and the Bakersfield Session. For further information write to the Dean of Summer Session. **80**

June 16 to July 25—DRIVER EDUCATION AND TRAINING (Ed. 170, 3 units; Health Ed. 105, 2 units). Students who are interested in securing special secondary credentials in public safety and accident prevention, including driver education and training, may meet the requirements for this credential by registering for these two courses. For further information write to Dean of Summer Session. **81**

July 7 to July 18—WORKSHOP IN DRIVER EDUCATION (Ed. 170, 2 units). Fresno State College is offering for the first time in the Bakersfield Summer Session, a course in driver education, sponsored jointly by the Automobile Club of Southern California and the California State Automobile Association. The workshop director is Amos E. Neyhart, the "Father of Driver Education," from Pennsylvania State University, who is Educational Consultant for the American Automobile Association. For further information write to Henry F. Fricker, Chairman, Department of Health Education, Fresno State College. **82**

June 16 to June 27—WORKSHOP IN FAMILY LIFE EDUCATION (Health Ed. 112s, 2 units). Designed to provide functional information for elementary and secondary teachers, school nurses, and home economics teachers. Activities of the workshop include demonstrations, guest speakers, exhibits, and preparation of classroom materials. Consideration is given to the recently developed state health textbook series as it pertains to problems of family life education. Joseph E. Lantagne, Chairman, Department of Physical and Health Education for Men, University of California, Santa Barbara, director of the workshop, will be assisted by Mrs. Ellinor Brown, Instructor-Counselor, Homemaking Department, Fresno High School. For further information write to Henry F. Fricker, Chairman, Department of Health Education, or to Louise W. Porch, Chairman, Department of Home Economics, Fresno State College. **83**

June 16 to July 25—OFFICE SKILLS FOR TEACHERS (Bus. Ed. 117, 2 units). A course in office skills for teachers, which will prepare nonbusiness teachers to use various types of duplicating machines and other office equipment useful in helping teachers in their work. The actual drawing and duplicating of pictures, and methods of filing teaching material are included as part of the course. Students do not need advance enrollment. For further information write to the Dean of Summer Session. **84**

June 16 to June 27—SCHOOL LUNCH WORKSHOPS. Workshops for public school lunch personnel will be offered in co-operation with the State Department of Education School Lunch Program. Prior application is necessary.

June 16 to June 20—NUTRITION FOR SCHOOL LUNCH PERSONNEL (Home ec. 40s, 1 unit).

June 16 to June 20—BEGINNING MENU PLANNING (Home ec. 44s, 1 unit).

June 16 to June 20—ADVANCED MENU PLANNING (Home ec. 45s, 1 unit).

June 23 to June 27—NUTRITION FOR SCHOOL LUNCH PERSONNEL (Home ec. 40s, 1 unit).

June 23 to June 27—BEGINNING MENU PLANNING (Home ec. 44s, 1 unit).

The workshops will be directed by Louise W. Porch, Chairman, Home Economics Department, Fresno State College; assisted by Elizabeth S. Di Stasio, and Helene Knips, Nutritionists, School Lunch Program, State Department of Education. For further information write to the Dean of Summer Session. **85**

June 25 to August 12—OUTDOOR EDUCATION. Offered in co-operation with Camp Trinity and Bar 717 Ranch, at Hayfork, California, the program is designed to help school administrators, teachers, and camp and recreational leaders make more effective use of the total outdoor environment in educating children and youth. An inter-departmental approach is used throughout the workshop, based upon the psychological and sociological principles of growth and development of children and adolescents, and will include instructional materials from various fields such as art, science, and recreational camping activities. Andrew D. Rippey, Professor of Education; and Principal, Laboratory School, Fresno State College, will direct the workshop, assisted by Grover Gates, Director, Camp Trinity, and his professional staff, and local and institutional personnel in conservation, forestry, lumbering, mining, fish and game, and agriculture. For further information write to Andrew D. Rippey, Principal, Laboratory School, Fresno State College. Eligible applicants will be accepted on the basis of date of application. **86**

June 30 to August 11—FIELD STUDY IN EUROPEAN CULTURE (General Studies 176s, 6 units). Arthur C. Berdahl, Professor of Music at Fresno State College, is conducting a six-week tour to European countries. Tour members will fly to Europe via the polar route, leaving San Francisco on Monday, June 30, and returning by the same route on Monday, August 11. The itinerary includes England (London, with special excursions through the English countryside to Eton, Windsor, St. George's Chapel, Runnymede, and Stratford-on-Avon, including a play in the Shakespeare Memorial Theater); Norway (Bergen, the spectacular Norwegian fjord country, and Oslo); Sweden (Stockholm); Denmark (Copenhagen); Holland (Amsterdam); Belgium (Brussels, including a day at the World's Fair, and Luxembourg); Western Germany (Coblenz to Wiesbaden via Rhine steamer, Heidelberg, and Munich); Austria (Salzburg, with special excursion to Berchtesgaden); Switzerland (Zurich, Lucerne, Interlaken, Montreaux, Geneva); and France (Paris). For further information as to cost and other details, write to Arthur C. Berdahl, Fresno State College. **87**

July 21 to August 1—WORKSHOP FOR THE EDUCATION OF GIFTED CHILDREN (Ed. 165, 2 units). The curriculum for the rapid learner, now in use in the public schools will be studied and evaluated. Instructional procedures and materials will be suggested and prepared to assist the regular classroom teacher to adapt the curriculum to meet the needs of the gifted child. Time will also be devoted to determining those characteristics which identify the child as a rapid learner. Resource people and those with experience in schools now utilizing programs for the gifted, will be available. The workshop will be directed by George W. Banks, Co-ordinator, Secondary Gifted Program, San Diego Unified School District. For further information write to the office of the Dean of Summer Session. **88**

July 28 to August 1—WORKSHOP ON URBAN RENEWAL AND METROPOLITAN PROBLEMS (Pol. Sci. 170, 1 unit). Fresno State College, in co-operation with the Fresno City Redevelopment Board is offering a one-week seminar in urban renewal, redevelopment, and planning, for citizens' committees, staff members of redevelopment agencies, students wishing to receive credit for planning, and others who may have interest in this work. Karl Buckman is the director of the workshop. For further information write to the Dean of Summer Session. **89**

July 28 to August 8—WORKSHOP ON SUPERVISION OF STUDENT TEACHING (Ed. 285s, 2 units). Designed for elementary and secondary teachers who supervise student teachers or who plan to supervise student teachers. Emphasis will be on the special supervisory problems faced by supervising teachers, and on procedures for handling student teachers. Particular attention will be given to the needs of teachers who supervise student teachers from Fresno State College. Stephen V. Ballou and Kenneth Weeks. For further information write to the Dean of Summer Session. 90

July 28 to August 8 and August 4 to August 8—WORKSHOP FOR NURSES (Psychol. 125s, 1 unit). A workshop for nurses entitled "The Nurse's Responsibility in Relation to Mental Health," is offered by Fresno State College during the Fresno session. The director of the workshop is Dr. E. Chaille Chiasson, a graduate of Tulane University Medical School; formerly Psychiatrist at Stevens College; and at present, Director of the Human Relations Center at Columbia, Missouri. For further information write to the Dean of Summer Session, Fresno State College. 91

August 4 to August 15—SPEECH THERAPY WORKSHOP FOR TEACHERS (Speech 158s, 2 units). In co-operation with the Fresno County Society for Crippled Children and Adults, and teachers of exceptional children representing various professional organizations, Fresno State College will offer a workshop to meet the speech needs of the physically, mentally and emotionally handicapped child. The workshop will provide for diagnostic study of methods and materials used in teaching children with special kinds of oral communication problems, such as are encountered in deafness, aphasia, mental retardation, voice disorders, and stuttering, and will include recent research findings relative to the several areas. Outstanding lecturers from the fields of medicine, education, and speech will contribute. Group discussion and demonstrations will follow. Workshop members may select one or more of the areas in which to concentrate their study. Donald M. Wilson. For further information write to John W. Wright, Head of the Speech Department. 92

August 11 to August 22—ALCOHOL AND NARCOTICS EDUCATION WORKSHOP (Health Ed. 110, 2 units). Problems of alcohol and narcotics education will be approached in an unemotional, unbiased, factual manner. Scientific data on the effects of the overuse of alcohol and narcotics on adolescents and adults, gathered from the contributions of chemists, psychiatrists, health authorities and welfare workers, will be considered. Teachers, nurses and social workers will have the opportunity to develop material usable in their work. James A. Fikes will direct the workshop with the co-operation of experts from state and local agencies. For further information write to Henry F. Fricker, Chairman, Department of Health Education. 93

August 18 to 29—WORKSHOP ON PROBLEMS OF THE EMOTIONALLY DISTURBED CHILD (Ed. 167, 2 units). Designed to assist the classroom teacher in identifying the emotionally disturbed child and in planning the daily instructional program to meet his needs, the workshop will emphasize methods and procedures which may help to reduce the causes of emotional disturbances in children. There will be lectures by specialists in the area, and workshop participants will be given opportunities for discussion, laboratory diagnosis of selected individuals, and analysis of various case studies. Harrison E. Madden. For further information write to Dean of Summer Session. 94

June 23 to July 3—WORKSHOP IN CLOTHING CONSTRUCTION TECHNIQUES (Home Ec. 102s, 2 units). Offered at Bakersfield College by Fresno State College, in co-operation with the State Department of Education, Bureau of Homemaking Education, and the Office of the County Superintendent of Schools, Kern County, the workshop deals with problems in the area of clothing construction. Mrs. Clarice H. Lindsey, Assistant Professor of Home Economics, University of California, Los Angeles, will direct the workshop, assisted by Maurine Vander Griend, Regional Supervisor, Bureau of Homemaking Education, State Department of Education. Prior permission to register is necessary. For further information write to the Dean of Summer Session. 95

June 21 to July 25—WORKSHOPS OFFERED IN THE VISALIA PRESESSION. The following courses comprise a pre session to the regular Visalia summer session. It will provide students who need six units of work to renew provisional credentials, with the opportunity to earn one unit of credit in addition to five units earned during the Visalia summer session. For additional information write to Raymond H. Harrison, Co-ordinator, Visalia Summer Session, Fresno State College.

WORKSHOP IN ELEMENTARY EDUCATION—KINDERGARTEN (Ed. 176 or 178, 1 unit). Sierra Vista School, Visalia.

WORKSHOP IN ELEMENTARY EDUCATION—MUSIC (Ed. 176 or 178, 1 unit). College of the Sequoias, Visalia.

WORKSHOP IN ELEMENTARY EDUCATION—PENMANSHIP (Ed. 176 or 178, 1 unit). College of the Sequoias, Visalia.

WORKSHOP IN ELEMENTARY EDUCATION—READING (Ed. 176 or 178, 1 unit). College of the Sequoias, Visalia.

WORKSHOP IN ELEMENTARY EDUCATION—SOCIAL STUDIES (Ed. 176 or 178, 1 unit). College of the Sequoias, Visalia.

WORKSHOP IN ELEMENTARY EDUCATION—SPELLING (Ed. 176 or 178, 1 unit). College of the Sequoias, Visalia.

ART FOR TEACHERS IN SERVICE (Art 100a or b, 1 unit). Drawing, painting, and crafts for children; adjusted to the needs of the students enrolled. The workshop will be directed by Sabin Gray, Supervisor-co-ordinator of art education, Office of the County Superintendent of Schools, Tulare County.

Students may enroll in only one of these workshops.

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HUMBOLDT STATE COLLEGE, Arcata

Summer Session: June 16 to July 25

Post Session: July 28 to August 22

Fees: \$9.50 per semester unit

Ivan C. Milhous, *Dean of Extended Services*

June 16 to July 25—WORKSHOP IN SOCIAL STUDIES CURRICULUM (Ed. 134 or 234, 2 units). Emphasis on content, materials, and methodology of the social studies curriculum, kindergarten through grade fourteen, with particular reference to the work of the California State Central Committee on Social Studies. Open to graduates or undergraduates. Admission by application only. 97

June 16 to July 25—WORKSHOP IN DRAMA (Speech 25 or 125, 2 units). A workshop in dramatic production, staging, directing, and acting, culminating in the presentation of the annual summer session play. 98

June 16 to July 25—SPEECH CORRECTION AND CLINICAL PRACTICE (Speech 180, 182, 183, and 283, 1 to 4 units). A special concentration of work in speech correction and clinical practice. Case studies will be arranged to meet the needs of those enrolled. 99

June 16 to July 25—WORKSHOP FOR TEACHERS OF THE MENTALLY RETARDED (Ed. 111, 114, and 132, 6 units). A series of courses planned especially for teachers with provisional credentials who teach the mentally retarded. Includes studies of methods, curriculum, the exceptional child, and child growth and development. Any combination of these courses may be selected. 100

July 28 to August 1—WORKSHOP IN CHAMBER MUSIC (Music 59 or 159, 1 unit). A concentrated week of work on the organization, literature, and techniques of chamber music, featuring a series of public performances each evening. A group of selected high school students will be used for special demonstrations. 101

July 28 to August 1—WORKSHOPS FOR SCHOOL LUNCH PERSONNEL

WORKSHOP IN SANITATION AND SAFETY (HE 24, 1 unit)

WORKSHOP IN NUTRITION (HE 25, 1 unit)

WORKSHOP IN BEGINNING MENU PLANNING (HE 26, 1 unit)

Conducted in co-operation with the State Department of Education, School Lunch Program, each section will provide a concentrated schedule of lectures, demonstrations, and activities to increase the competence of school lunch workers. Admission by application only. **102**

July 28 to August 1—FORESTRY INSTITUTE FOR VOCATIONAL AGRICULTURE TEACHERS (Forestry 195, 1 unit). Offered in co-operation with the State Department of Education, Bureau of Vocational Education, and the Redwood Region Conservation Council. A one-week course in forest conservation practices. Limited to vocational agriculture teachers. Admission by application only. **103**

July 28 to August 8—WORKSHOP IN ART EDUCATION (Art 182, 2 units). A two-week workshop in modern techniques and materials of art education. Open to experienced teachers, kindergarten through grade fourteen. Scheduled to permit taking one additional course from the post session offerings. **104**

July 28 to August 23—SPECIAL WORKSHOPS IN CURRICULUM AND METHODS (2 units each). Offerings include methods in elementary reading, children's literature, primary education, and elementary and secondary curriculum. **105**

**IDYLLWILD SCHOOL OF CONSERVATION AND NATURAL SCIENCE
OF THE IDYLLWILD ARTS FOUNDATION**

Idyllwild, Riverside County

Summer Session: June 16 to August 9

Fees: \$9.50 per unit plus \$9.50 campus fee

Donald D. Shipley, *Director*

The program in conservation education, outdoor education, and field biology, is of particular interest to teachers and to workers in natural history. Courses will carry laboratory and upper division credit through Long Beach State College. A number of scholarships are available. Information can be secured from the Director, Donald D. Shipley, Division of Natural Science, Long Beach State College, Long Beach.

June 30 to July 11—CONSERVATION WORKSHOP (Conservation 160, 2 units). A course dealing with the wise use of natural resources—soil, water, forests and other vegetation, wildlife, recreational areas, and conservation materials. Field trips include a study of fire lookouts, sawmills, soil demonstration areas, wildlife management areas, water-shed protection, and forest management. These experiences can be carried back into the classroom to enrich all areas of study. Visiting natural resource specialists participate in the program. Prerequisite: 6 units of science. Donald D. Shipley and Charles Burch. **106**

July 14 to July 25—FIELD NATURAL HISTORY (Nature Study 151, 2 units). An outdoor summer field course devoted to the study of the natural history of specific areas. Open to students who have completed a conservation workshop or who have an adequate background in natural history. Prerequisite: 6 units of biological science. Donald D. Shipley and Charles Burch. **107**

June 16 to June 21 and August 4 to August 9—WILDERNESS WORKSHOP (Conservation 163, 1 unit). A week of camping in the wilderness area of the San Jacinto Mountains above Idyllwild; exploring and studying the primitive area; and participating in conservation projects. Accommodations are limited, so reservations should be made early. Prerequisite: 6 units of science. Donald D. Shipley, Charles Burch, and Ernest Maxwell. **108**

June 23 to June 27—OUTDOOR EDUCATION LEADERSHIP (Conservation 164, 1 unit). Designed for outdoor school personnel and elementary teachers involved with

or expecting to be involved with outdoor education programs. Camp organization and curriculum, outdoor teaching techniques, pre-camp, in-camp, and post-camp activities; role of the classroom teacher; field trips, and teaching demonstrations. W. Jane Westenberg and staff. 109

IDYLLWILD SCHOOL OF MUSIC AND THE ARTS OF THE IDYLLWILD ARTS FOUNDATION

Idyllwild, Riverside County

Summer Session: June 23 to August 29

Fees: \$23 or \$25 per unit

Max T. Krone, Director

The program in art and art education, music and music education, dance and dance education, drama and creative dramatics, and creative writing, is of particular interest to elementary school teachers and to special teachers of the arts. Most workshops carry upper division or graduate credit through the University of Southern California. Address inquiries to the Idyllwild Arts Foundation, Idyllwild, California.

June 23 to August 1—Two-week WORKSHOPS IN ART and in ART EDUCATION (Ed. FA 461, 462, and FA 204, 405, 406, 407, 408, 409, 2 units each workshop). Workshops in painting, graphics, ceramics, crafts, sculpture and three dimensional design, art in the elementary school, and art in secondary schools, provide students with opportunities to work at their own levels of development. Vincent Lanier, Head of Department; Harry Sternberg, Susan Peterson, Donald Kachinskas, Lora Woodhead Steere, and Ataloea. 110

June 23 to August 16—Two-week WORKSHOPS IN DRAMA, CREATIVE DRAMATICS and DRAMATIC PLAY (Dr. 435, 496, 2 units each workshop). The two-week DRAMA WORKSHOPS (June 30 to August 8) provide students with training in the areas of stage experience they desire. The two-week WORKSHOPS IN CREATIVE DRAMATICS and DRAMATIC PLAY (June 23 to August 16) are for elementary school classroom teachers and junior high school speech and drama teachers. Part of each day will be spent in observing and in assisting the instructor to work with children in the children's program of the Idyllwild School of Music and the Arts. Howard M. Banks, Burdette Fitzgerald, and staff. 111

July 7 to August 15—DANCE IN THE ELEMENTARY SCHOOL (P.E. 423, 2 units). Methods and materials for teaching folk and creative dance activities to young children. Kay Ortmans, Virginia Tanner. 112

July 14 to July 18—FOLK DANCE WORKSHOPS, I and II (P.E. 217, 417, 1 unit each). Beginning and advanced work in international folk dancing. Vyts Beliajus, Madelynne Green, Millie von Konsky, Grace West Newman, Margarita Allen. 113

July 21 to August 1—CONTEMPORARY DANCE WORKSHOP (P.E. 220, 420, 2 units each). Beginning and advanced work in modern dance and ballet. Karen Burt, Merce Cunningham, Lois Ellfeldt, Bella Lewitsky, Eugene Loring. 114

July 7 to August 1—RELAXATION AND CREATIVE MOVEMENT (Non-credit). Use of music and rhythms to remove tensions and achieve relaxation. Kay Ortmans. 115

July 7 to July 18—FOLK MUSIC WORKSHOP (Mu. ed. 443, 2 credits, for 2 weeks, or one week without credit). Includes singing and playing folk music, study of folklore, problems of translation, arranging, accompanying and leading folk singing. Use of the banjo, guitar and other folk music instruments. Seeger, Hinton, Marais and Miranda, Hawes, Kelly, Allen, McGhee. 116

August 4 to August 15—FOLK MUSIC OF HAWAII AND THE PACIFIC NATIONS (Mu. ed. 447, 2 credits). Folk music of Hawaii, Japan, China and the Philippines. Social study background material for classroom use in elementary schools and in junior high schools. John and Marion Kelly. 117

July 21 to July 25—**RECORDER WORKSHOPS I and II** (Mu. ed. 260, 460, 1 unit each). Beginning and advanced instruction on recorders. Instructional materials. Use of the instruments in schools and with recreational groups. Solo and ensemble playing. J. Siple, F. Wishard, M. Brockmann, L. Lampl. **118**

August 4 to August 15—**JAZZ IN MUSIC EDUCATION** (Mu. ed. 461, 1 or 2 units). Background information on the field of jazz. Basic jazz forms, and the use of jazz materials in concert music. S. Fox, J. Catalyne, K. Miller. **119**

July 21 to August 1—**ELEMENTARY SCHOOL MUSIC WORKSHOP** (Ed. mu. 481, 2 units). Problems in the teaching of music in the elementary schools will be dealt with from the standpoint of the classroom teacher and the music consultant. B. Krone, Miller, Brockmann. **120**

August 4 to August 15—**SECONDARY SCHOOL GENERAL MUSIC WORKSHOP** (Ed. mu. 482, 1 or 2 units). Includes a study of purposes, procedures, materials, techniques and development of units in the general music class in secondary schools. Students may divide their time between Mu. ed. 461 and Ed. mu. 482 and earn 1 unit in each, or they may take either course full-time for 2 units. B. Krone, K. Miller, A. Catalyne, R. Bruce. **121**

August 18 to August 22—**CHURCH MUSIC WORKSHOP** (Mu. ch. 401, 1 unit; may be repeated for a second unit). Cosponsored by the Choral Conductors Guild. Lannon, McKinney, Disrud, Huntington. **122**

August 4 to August 17—**SECONDARY SCHOOL CHORAL WORKSHOP** (Ed. mu. 483, 2 units). Techniques in conducting and developing high school choral groups. Includes choosing of materials, programming, and interpreting choral music. Participation in the rehearsals for and performances of the Choral Weekend. Bloom, Hirt. **123**

July 28 to August 15—**TWO-WEEK CREATIVE WRITING WORKSHOPS, and WRITERS WEEKENDS** (Dr. 477, Telecom. 430, 2 units each). The playwrights workshop emphasizes analysis of story structure, character, thematic approach. The writers workshop on telecommunication writing focuses on the writing of dramatic and documentary scripts, and on nondramatic continuity for television. Weekend conferences and workshops include lectures, conferences, the reading of new scripts; and advice, suggestions, and encouragement from successful writers, teachers, critics and editors, for prospective and for established writers. Hyde, Savage, Allardice, Froug, Ellingwood, Stevens, and Warfield. **124**

IMMACULATE HEART COLLEGE, 2021 North Western Avenue, Los Angeles

July 7 to July 12—**NUTRITION EDUCATION WORKSHOP** (2 units). Sponsored by the Los Angeles Baking Council and the Los Angeles City Health Department. Conducted by Mrs. Elizabeth Lockwood Wheeler. Fee: \$25. Daily, 1 to 5; Saturday 9 to 3. **125**

LONG BEACH STATE COLLEGE

6101 East Seventh Street, Long Beach 4

Regular Summer Session: June 23 to August 1

Post Session: August 4 to August 29

Fees: \$9.50 per semester unit

J. Wesley Bratton, *Dean of Summer Session*

June 25 and June 26—**ELEMENTARY ADMINISTRATORS WORKSHOP**. The fifth annual workshop for elementary school administrators, sponsored by Long Beach State College, will be held on the campus this summer. The theme will be "Meeting Individual Differences in the Classroom—The Gifted, the Slow Learners, and Those in Between." Problems related to the topic will be presented by outstanding speakers, followed by discussion in small groups. Details concerning the workshop will be mailed to interested administrators in the near future. For in-

formation, write to Willard H. Van Dyke, Chairman, Division of Education and Psychology. **126**

August 19, 20, and 21—SECONDARY SCHOOL ADMINISTRATORS WORKSHOP. The California Association of Secondary School Administrators and Long Beach State College will jointly sponsor the sixth annual workshop for secondary school administrators. The theme will be "Providing for the Wide Variation in Interests, Needs, and Abilities of High School Students." Outstanding specialists will present various phases of the problem and will participate in the group discussions. Details concerning the workshop will be mailed to interested administrators. For information write to Willard H. Van Dyke, Chairman, Division of Education and Psychology. **127**

June 28—ART CONFERENCE AND FILM FESTIVAL. The seventh annual conference and festival of films for art education will be held this year on Saturday, June 28, in the new art building on the Long Beach State College campus. This program is sponsored by the college every summer in co-operation with the film departments of the Long Beach Public Library, the Los Angeles Public Library, the Office of the County Superintendent of Schools, Los Angeles County, and the Los Angeles County Museum. The film festival provides an opportunity to view the latest releases of art and documentary films. These films are directly related to the art program in elementary, secondary, and college education and to the art expressions of man in both past and present times. **128**

June 26 to July 29—ART CLASS FOR CHILDREN. This summer the Art Department is sponsoring an art class for children on campus, in the art building. The class will be open to children between 8 and 11 years of age. In conjunction with this children's class, an art activity class has been scheduled at the same time for summer session students. The purpose of the art activity class will be to provide opportunities for experienced teachers and teachers in training to observe children in an art class and to discuss and evaluate the ongoing experiences which the children are having, in relation to their own particular classroom situations in the public schools. Arrangements for enrollment of children in the children's art class should be made through the Art Department office as far in advance as possible, as only a limited number of children can be accepted. Daily, 10 to 11. **129**

June 23 to August 1—ORCHESTRA WORKSHOP (Mu. 7 and 107, 1 unit). The summer session orchestra will continue to offer opportunity to renew performance techniques and to study orchestral literature, new and old. A special feature of the summer session will be the presentation of a concert, July 30, of twentieth century Latin-American works. David Vasquez will appear as soloist with the orchestra in works of Mignone and Villa-Lobos. For additional information, write to Bertram McGarrity, Music Department. **130**

August 4 to August 29—AVIATION EDUCATION WORKSHOP (Ed. 153, 4 units). Teachers, counselors and administrators of elementary schools, secondary schools and junior colleges will become acquainted with the way aviation is being used to motivate learning in all curricular areas, with available instructional materials and aviation facilities; will become acquainted with those current problems of aviation that have implications for public school curriculums; will prepare plans for instruction and construct a wide variety of instructional aids appropriate to each person's particular needs. The workshop is planned for experienced teachers, but persons with student teaching experience may enroll. The program will be conducted on the campus with visits to civil and military installations. For additional information, write to Charles H. Tilden, Aviation Education Workshop. **131**

June 23 to July 11—MEAL PLANNING FOR THE 50-MINUTE PERIOD (Home Economics 120, 3 units). Major consideration will be given to planning, organizing, and problems of directed-foods laboratory experience in the 50-minute period. Emphasis will be on time management, storage of equipment in unit kitchens, meal planning, demonstration vs. practice skill lessons, nutrition teaching aids, work simplification techniques, and freezing, as related to meal preparation. This

course is designed for junior high school and senior high school homemaking teachers needing help with laboratory experience for the 50-minute class period. Each member of the workshop will have an opportunity to work on individual problems related to his own teaching situations. **132**

July 14 to August 1—NEW TRENDS IN CLOTHING CONSTRUCTION (Home Economics 125, 3 units). This course is a workshop in effective techniques of simplified precision clothing construction. Emphasis will be placed on methods of creating interest in sewing for the high school student. The workshop will cover the choice of projects for the beginning seamstress, and the steps necessary to achieve success and satisfaction. There will be an opportunity to make teaching aids and to solve problems that arise in the clothing unit. This course is especially designed for homemaking teachers, but will also be of interest to those desiring faster, simpler techniques of clothing construction. **133**

August 4 to August 22—DECORATING AND FURNISHING TODAY'S HOME (Home Economics 101, 3 units). Designed to help teachers develop projects in the home furnishing area that will be useful in homemaking programs. Resource personnel will assist in conducting laboratories. Short-cut techniques and simple skills needed for home furnishing activities and home repairs will be emphasized. Guides in selection and buying of home furnishings will be included in course content. For additional information, write to Zelpha Bates, Home Economics Department. **134**

June 23 to August 1—FAMILY LIFE EDUCATION (Home Economics 165, 3 units). A workshop type of course of particular value to elementary teachers, homemaking teachers, social studies teachers, counselors, community education leaders, parent educators, and religious leaders. Method and content in family life education, audio-visual aids, group work, independent study, and organization of teaching materials are included in the course. A number of Southern California leaders in family life education will discuss the highlights of their current programs. For additional information, write to Zelpha Bates, Home Economics Department. **135**

August 4 to August 22—GUIDANCE WORKSHOP (Ed. 273, 3 units). This course was developed from the needs of experienced guidance workers to stay abreast of current guidance methods, techniques, and procedures. A series of lectures is accompanied by workshop sessions for elementary school, secondary school, and college guidance workers. Nationally recognized leaders in psychological service areas will present lectures and project recommendations concerning the case problems considered by the workshop participants. Co-ordinators for the workshop groups and other lecturers will be selected from among leaders in the field of guidance in the Southern California area and in the Bureau of Guidance of the State Department of Education. For further information write to Louis Stacker, Personnel Center. **136**

June 16 to August 9—IDYLLWILD SCHOOL OF CONSERVATION AND NATURAL SCIENCE (1 to 2 units). A program in conservation education, outdoor education and field biology, of particular interest to teachers at all levels and to workers in youth organizations and camp work, will be offered in the 1958 Summer Session. Workshop courses carrying one and two units of credit will be offered in the Idyllwild School of Conservation and Natural Science under the direction of Donald D. Shipley of Long Beach State College. There will be two one-week Wilderness Workshops (Conservation, 163), the first, June 16-June 21, inclusive, and the second, August 4-August 9, inclusive. The two-week conservation workshop course (Conservation 160), will be from June 30-July 11, inclusive. A course in field natural history (Nature Study 151), will run from July 14-July 25, inclusive. The field natural history course is open to those who have a real interest in conservation and an adequate background in biology. A one-week outdoor education leadership workshop (Conservation 164), will be offered from June 23-June 27, inclusive. The conservation workshop and field natural history courses will carry laboratory and upper division credit. The fee for each of these courses will be \$9.50 per unit for tuition, plus a campus fee of \$9.50 to be paid to the Idyllwild Arts Foundation. A 50-cent-per-week insur-

ance fee is also charged. Housing and campus accommodations are available at reasonable rates. For information on rates and facilities, write to the Director, Idyllwild Arts Foundation, Idyllwild, California. A number of scholarships are available for qualified persons. Information about scholarships and courses can be secured from Donald D. Shipley, Division of Natural Science, Long Beach State College. See also pages 227-28, items 106-109. **137**

June 23 to August 1—MATHEMATICS AND SCIENCE FOR TEACHERS (Math. 140, 141, and Phys. Science 130). Current preoccupation with earth satellites has tended to focus attention upon improvement of instruction in the areas of mathematics and science. During recent months educators and laymen alike have evidenced considerable interest in the public school, mathematics-science curriculum. Much has been written in the popular press and professional journals about the apparent dearth of young people interested in developing mathematics-science skills and concepts that go beyond the mechanics of simple computation. Consistent with our policy of serving the needs of educators in the constituency of Long Beach State College, three new courses in the foregoing subject fields are offered for the first time in the 1958 summer session. These courses have been designed for the express purpose of assisting elementary and junior high school teachers to improve instruction and stimulate pupil interest in mathematics and the physical sciences. **138**

June 23 to August 1—WORKSHOP IN SOCIAL STUDIES CURRICULUM (Ed. 283B, 6 units). Long Beach State College is co-operating with the State Department of Education and with the California State Central Committee on Social Studies in conducting a workshop to consider the work of the State Central Committee to date. The purposes of the workshop will be to evaluate the proposed general course of study that is the outgrowth of the workshop sponsored last summer; develop and propose detailed courses of study for each grade level, kindergarten through grade fourteen, following the pattern of the general course of study; and study materials pertinent and applicable to this detailed course of study. For further information write to John E. Searles, Division of Business and the Social Sciences. **139**

June 23 to August 1—SUMMER THEATER WORKSHOP (1 to 7 units). Courses will cover all phases of the theater—acting, directing, stagecraft, and lighting. Individual courses may be taken separately, but upper-division students are urged to enroll for the sequence of six integrated units. The purpose of the workshop is to present in a compact and functional way the essential skills of the theater with particular reference to in-service training for secondary school teachers who may be called upon to direct a play. A public production will be given on July 24, 25, and 26, in which all of the crew responsibilities will be handled by members of the workshop. Upper division students desiring to take an integrated six-unit sequence in theater subjects may do so in one of four ways: (1) Speech 112, SCHOOL DRAMATICS, and Speech 135A, FUNDAMENTALS OF ACTING; (2) Speech 112, SCHOOL DRAMATICS, Speech 124, STAGECRAFT, and Speech 121, DRAMA ACTIVITY; (3) Speech 135A, FUNDAMENTALS OF ACTING, Speech 176, STAGE LIGHTING, and Speech 121, DRAMA ACTIVITY; (4) Speech 124, STAGECRAFT, Speech 135A, FUNDAMENTALS OF ACTING, Speech 176, STAGE LIGHTING, and Speech 121, DRAMA ACTIVITY; (5) Speech 124, STAGECRAFT, Speech 135A, FUNDAMENTALS OF ACTING, and Speech 121, DRAMA ACTIVITY. It is also possible to enroll for any of the courses separately or in combinations of less than six units. Lower-division students may enroll for a maximum of three units by taking Speech 10, DRAMA ACTIVITY, and Speech 55, ELEMENTARY STAGECRAFT. Casting for the play will be tryouts, open to all summer session students, on Tuesday evening, June 24, at 7 p.m., in the Little Theater. Those cast in a role may add one unit of drama activity (Speech 10 or 121) if their total load does not exceed 7 units. Rehearsals will be conducted Mondays through Thursdays, from 7 to 9 p.m. and meetings will be held daily at 2 p.m. for those working on technical crews. For additional information, write to John H. Green, Co-ordinator of Speech and Drama. **140**

June 23 to August 1—SPEECH THERAPY WORKSHOP (6 units selected). This intensive workshop is designed to provide training for both the classroom teacher and the

student preparing for a special credential in speech correction and lip reading. A selected group of children between the ages of five and twelve will be accepted in the workshop for speech therapy. A complete morning's program will be integrated for these children, including individual and group speech therapy, psychological testing, play therapy, creative dramatics, recreation, and arts and crafts. Parent counseling will be an important part of the program. For college students, work will be available at three levels. Those who have had no previous experience in speech therapy may select courses from the following: INTRODUCTION TO REMEDIAL SPEECH (Speech 158), SPEECH ARTS IN THE ELEMENTARY SCHOOL (Speech 118), and LABORATORY IN SPEECH ARTS (Speech 119). Those desiring specialized course work leading to the special credential may select courses from the following: INTRODUCTION TO REMEDIAL SPEECH (Speech 158), CLINICAL PRACTICE (Speech 160), AUDIOMETRY AND HEARING CONSERVATION (Speech 163), LIP READING (Speech 164), and PARENT COUNSELING IN REMEDIAL SPEECH (Speech 165). Those students who are ready to take student teaching in speech correction may enroll in STUDENT TEACHING IN SPEECH CORRECTION AND LIP READING (Ed. 1955). Students planning to enroll in student teaching shall make application for admittance well in advance. Any part of the workshop is available separately for those unable to enroll for the six-unit program. For additional information, write to Ned Bowler, Division of Arts and Languages. Parents desiring to enroll children are urged to apply early.

141

June 20 to July 29—FIELD STUDY OF UNITED STATES HISTORY AND GOVERNMENT (Social Science 95A, 195A, 6 units). Orientation and registration, nights of June 18 and June 20. A 10,000 mile, coast-to-coast tour of famous historical cities, battlefields, forts, buildings, memorials, and government projects. A study of the United Nations Organization in New York. Includes a detailed study of each branch of our national government; the state government of California; and the city governments of Washington, D.C., New York, and Long Beach, California. The class will meet with government experts; and will visit the New York Stock Exchange, large business firms, factories, large-scale farms, and sites of recent developments in the field of automation. The course will also include student reports and lectures, and possibly, meetings with the Vice President, senators, and congressmen. Places of interest and of historical importance will be visited—Philadelphia, New York, Boston, and many others on the return trip. For additional information, write to Ross A. Sciarrotta, Instructor and Tour Director, Long Beach State College.

142

August 2 to September 12—FIELD STUDY OF SOUTH AMERICA (Social Science 95G, 195G, 6 units). Students on a post session summer workshop tour to South America will travel by air to Guatemala, Panama, Columbia, Ecuador, Peru, Chile, Argentina, Uruguay and Brazil to study South American culture and to understand current conditions and problems. There will be trips to places of interest; interviews with prominent government officials, educators and businessmen; and informal lectures by the director. Travel will be by international airlines except for local trips involving auto, bus, ship and railroad. Hotel accommodations will be first class. Cost of the trip will be computed on a nonprofit, co-operative basis. Early arrangements are most important. For further information write to Ryland R. Madison, Division of Social Science.

143

June 23 to August 1—FIELD STUDY OF MEXICO (Social Science 95E, 195E, 4 and 6 units). Orientation and tour, June 23-August 1; tour only, July 6-August 1. The tour will begin in Tijuana, and proceed by air to Guadalajara, and by land to Morelia, Guanajuato, San Miguel de Allende, Patzcuaro, San José Purua, Puebla, Oaxaca, Mexico City, Cuernavaca, Taxco, and Acapulco, to name the principal points. The tour will include trips to schools, museums, churches, archeological zones, and public buildings of historical or current interest. Lectures by local experts will be arranged; and demonstrations of arts, crafts, and processes will be provided. The tour will end with a flight from Acapulco to Tijuana. The tour will be offered for the fourth consecutive year under the direction of Oliver Johnstone, a regular staff member. Enrollment is limited. Reservations should be made as soon as possible with Mr. Johnstone, Division of Education and Psychology.

144

June 30 to August 27—FIELD STUDY IN THE MUSIC ARTS (Music 95, 195, 6 units). A field study tour of six weeks in Europe. The cultural riches of England, Scotland, Germany, Austria, Switzerland, Italy, and France are available to the student. Two-week extensions to Scandinavia and Spain may be planned. Departure will be on the "Arosa Sun" from Quebec, June 30, returning August 27 from Le Havre. The general purpose of the tour is to develop additional insights into the cultures of different peoples through attention to their artistic productivity; to heighten an awareness of the relationships between the political and sociological complexions of the several peoples; and to relate these to their artistic interests and to their contributions to educational growth. Concerts, plays, and dinner meetings with important leaders of the regions visited are included. Informal lectures by the director will be offered to make the tour experience more enjoyable. For detailed information, write to Russel N. Squire, Department of Music. **145**

LOS ANGELES STATE COLLEGE OF APPLIED ARTS AND SCIENCES

855 North Vermont Avenue, Los Angeles 29 (Vermont Campus)
 San Bernardino Freeway and Eastern Avenue (Ramona Campus)
 Nordhoff Street and Zelzah Avenue (San Fernando Valley Campus)
 Summer Session: June 23 to August 1, unless otherwise noted

Fee: \$9.50 per semester unit

Address all inquiries to John A. Morton, Dean of Educational Services
 and Director of Summer Session, 855 North Vermont Avenue, Los
 Angeles 29

June 23 to July 11—PACIFIC COAST WRITERS' CONFERENCE (L.A. S106F, 3 units). Lectures and consultation sessions on the novel, short story, and television writing, conducted by the Language Arts Division, Wirt Williams, Novelist-in-Residence, and a featured group of major writers in these and other media. **146**

June 23 to August 1—INSTITUTE FOR AMERICAN STUDIES (Mexican-American Relations).

June 23 to July 11—RESOLVING CULTURAL TENSIONS IN THE SOUTHWEST (L.A. S191, 3 units). Daily, 1 to 4.

June 23 to July 11—NONVERBAL ARTS AND SOCIAL UNDERSTANDING (Art S191, 3 units). Daily, 1 to 4.

June 23 to July 11—CONFERENCE ON INTERGROUP RELATIONS (Ed. S102Y, 3 units).

July 14 to August 1—SCHOOL PROBLEMS AND BICULTURAL ADJUSTMENT (Ed. S191, 3 units). Daily, 1 to 4.

June 23 to August 1—SOCIAL AND CULTURAL HISTORY OF THE MEXICAN PEOPLE (Soc. Sci. S191, 3 units). Daily, 10:30 to 12. **147**

June 28 to August 15—EUROPEAN ARTS AND MUSIC TOUR (Art S196B). A comprehensive tour of the cities of Europe. Address all inquiries to Leonard Heath, Art Department, Ramona Campus. **148**

June 30 to July 25—WORKSHOP: METHODS OF TEACHING MATHEMATICS IN SECONDARY SCHOOLS (Ed. S193MA, 4 units). **149**

June 30 to July 4—SATELLITE AND ROCKET INFORMATION AT THE ELEMENTARY SCHOOL LEVEL (Phys. Sci. S102, 1 unit). **150**

July 7 to July 11—ATOMIC ENERGY INFORMATION AT THE ELEMENTARY SCHOOL LEVEL (Phys. Sci. S103, 1 unit). **151**

June 23 to July 11, or July 14 to August 1—WORKSHOP IN RELATIONSHIP BETWEEN LAW ENFORCEMENT, PUBLIC SCHOOLS AND THE COMMUNITY (Police Sci. S160D, 3 units). **152**

June 23 to July 11—WORKSHOP: CURRICULUM FOR TEACHERS OF THE DEAF (Ed. S129Y, 3 units). **153**

August 19 to August 26—FLIGHT TO HAWAII (Ed. S197, 1 unit). **154**

August 4 to August 22—WORKSHOP: AIR AGE EDUCATION (Ed. S176E, 3 units).

WORKSHOP IN VOCATIONAL GUIDANCE (Ed. S283, 4 units).

WORKSHOP: THE PUBLIC SCHOOLS AND CHILD WELFARE (Soc. sci. S149, 3 units).

WORKSHOP: EDUCATION OF GIFTED CHILDREN (Ed. S197, 4 units). **155**

August 4 to September 6—SUMMER FIELD STUDY SERIES (Natural science 101, 102, 103, 1 unit each).

August 25 to 29 or September 2 to 6—CALIFORNIA SEA LIFE **156**

August 4 to 8 or August 18 to 22—LOWER ANIMALS OF FIELD AND STREAM

August 4 to 8 or August 11 to 15—PLANTS OF SOUTHERN CALIFORNIA

SAN FERNANDO VALLEY CAMPUS—The 1958 Summer Session on the San Fernando Valley Campus has been designed to meet the needs of students preparing for teacher education, general education, liberal arts, and occupational curriculums. **157**

OCCIDENTAL COLLEGE, 1600 Campus Road, Los Angeles

Summer Session: June 23 to August 1

Fee: \$3 registration; tuition, \$17 per unit

Richard F. Reath, Director of Summer Session

June 23 to July 3—WORKSHOP IN SOCIAL STUDIES (Ed. S203a, 2 units). Given in co-operation with the California State Central Committee on Social Studies. An examination of the specific social sciences and their contributions to a social studies program. The scope and sequence of the social studies from kindergarten through junior college; methods and instructional materials appropriate for the various levels; and developing of district plans for the social studies. Opportunities for group and individual research, and previewing of instructional materials on some afternoons. Daily, 8 to 12. **158**

June 23 to July 3—WORKSHOP FOR TEACHERS OF GIFTED CHILDREN (Ed. S127, 2 units). Techniques for developing critical thinking and for developing permissive atmosphere for creative learning. Consideration of identification of types of talent and guidance. Emphasis on meeting the needs of the teacher; the objectives of a program for gifted children; and evaluation of enrichment materials. Daily, 1 to 4. **159**

June 30 to July 11—CHILDREN'S LITERATURE (Ed. S108, 3 units). Designed to deepen appreciation of literature suitable for young children; to familiarize students with the styles and techniques of authors and illustrators; and to develop criteria for selection and evaluation of children's books. Organization of stories for different levels. Principles underlying successful story telling, and practice in the application of these principles. Daily, 1 to 4. **160**

June 30 to July 11—OBSERVATION AND METHODS OF TEACHING ELEMENTARY SCHOOL READING AND LANGUAGE ARTS (Ed. S134a, 2 units). Practices and problems in organizing, teaching and presenting reading in the elementary school. A consideration of the physical, psychological and social factors affecting the development and use of the language arts; the integration and enrichment of the language arts program; and corrective program. Daily, 9 to 12. **161**

June 30 to July 18—METHODS OF KINDERGARTEN-PRIMARY EDUCATION (Ed. S121, 3 units). Practical aspects of teaching in the kindergarten-primary grades; analysis of teaching methods, organization and curriculums of the modern lower elementary school, through observation and research. Daily, 9 to 12. **162**

June 30 to July 18—WORKSHOP IN NURSERY EDUCATION (Ed. 141, 3 units). Identification and evaluation of trends in nursery education. The implications of cultural change and new knowledge in various fields will be examined in relation to early childhood education and the parent program. M,W,Th., 9 to 12, and 1:30 to 3:30. **163**

July 7 to July 18—OBSERVATION AND METHODS OF TEACHING ELEMENTARY SCHOOL ARITHMETIC (Ed. S134c, 2 units). Instructional and psychological aspects of teach-

- ing arithmetic. Analysis of deficiencies and practical corrective procedures. Daily, 1:30 to 4. **164**
- July 7 to July 18—WORKSHOP IN ELEMENTARY SCIENCE (Ed. S134d, 2 units). Materials and methods of teaching science to young children; creating science experiences; developing fundamental concepts; selecting and preparing materials of instruction; and evaluating growth. Daily, 9 to 12. **165**
- July 7 to July 18—CONSTRUCTION FOR THE ELEMENTARY SCHOOL TEACHER (Ed. 137, 2 units). For teachers and supervisors who use industrial arts as an integral part of the elementary school program. The use of tools and various materials suitable for the elementary schools. Daily, 1 to 3. **166**
- July 14 to July 25—MEETING CHILDREN'S INDIVIDUAL NEEDS IN THE CLASSROOM (Ed. 202, 2 units). A workshop approach to developing understanding of individual differences, and specific methods for meeting individual needs in the classroom, using pertinent research, experience and information from various fields to develop and evaluate teaching skills. Observation, field trips, films and discussions, special library facilities. Daily, 9 to 12. **167**
- July 21 to August 1—OBSERVATION AND METHODS OF TEACHING ELEMENTARY SCHOOL SOCIAL STUDIES (Ed. S134b, 2 units). The principles and procedures related to the development of social attitudes and experiences with children. The role of social studies, curricular requirements, and significant trends. Daily, 9 to 12. **168**
- June 23 to July 18—HARMONY REVIEW (Music 17, 2 units). A refresher course for teachers and beginning and advanced students in practical application of harmonic theories. Individual projects, such as choral arranging, composition, and keyboard accompanying. Roger Sessions text used. Daily 9 to 12:15. **169**
- June 23 to July 3—ADVANCED ORCHESTRAL CONDUCTING (Music 231, 2 units). A seminar-workshop which includes baton technique, rehearsal technique, accompaniment, survey of the literature on conducting, and development of an approach to interpretative problems in baroque, classical, romantic, and contemporary symphonic literature. Advance application necessary. **170**
- June 24 to July 5—CHURCH MUSIC SEMINAR (Music 232, 2 units). Theories of worship, and functional use of church music; adult, youth and junior choir organization and procedures; characteristics of an ideal ministry of music. **171**
- June 24 to July 5—SEMINAR IN CHORAL CONDUCTING (Music S234, 2 units). Discussion, demonstration and practice of choral techniques. Building and development of choral tone. Repertoire for school and adult choirs and choruses. **172**
- June 23 to July 11—DISCUSSION AND CONFERENCE LEADERSHIP (Speech S155, 3 units). Analysis and development of problems within the framework of discussion techniques. Attention to the management of questions in directing groups. **173**
- June 23 to July 11—DRAMATIC PLAY IN THE ELEMENTARY GRADES (Speech 170, 2 units). Creative dramatic expression based upon original ideas, plots and characteristics, and on familiar stories. A workshop approach. Daily, 8 to 9:50. **174**
- June 23 to July 11—SPEECH AS PERSONALITY AND SOCIAL ADJUSTMENT (Speech S101, 3 units). The philosophy of speech as a symbol and tool of social adjustment. Analysis of individual personality and its relationship to speech. **175**

PACIFIC UNION COLLEGE, Angwin, Napa County

First Summer Session: June 16 to July 10

Second Summer Session: July 13 to August 7

Third Summer Session: August 10 to August 21

Fees: \$16 per quarter hour to a maximum of \$190

General Fee \$8 for 1 to 4 quarter hours

\$15 for more than 4 quarter hours

George L. Caviness, Director of Summer Session

June 16 to August 21—**MENDOCINO BIOLOGICAL FIELD STATION.** Field and laboratory courses for advanced biology students and elementary and secondary school teachers. For information about the courses available at the field station, address inquiries to D. V. Hemphill, Chairman, Biology Department, until June 8; after this date, to Mendocino Biological Field Station, Albion, Mendocino County.

176

June 16 to July 10—**DRIVER AND SAFETY INSTRUCTOR EDUCATION.** Two 3-hour courses, one in safety education, the other in driver education are designed to qualify driver training instructors at the secondary level in California high schools. Limited opportunity is given to carry on driver training with a dual control vehicle under supervision. For information address R. E. Fisher, Chairman, Industrial Education Department.

177

July 13 to August 7—**SPANISH HOUSE.** A variety of courses carried on wholly in Spanish. This will include most of the daylight hours. Academic credit up to a maximum of six quarter-hours may be earned for classes in literature, phonetics, advanced grammar, conversation and composition; or in methods of teaching Spanish. Credit will apply toward a graduate program in Spanish or toward certain programs in the Department of Secondary Education. For information address G. B. Taylor, Chairman, Spanish Department.

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PASADENA COLLEGE, 1539 East Howard Street, Pasadena

Summer Session: June 23 to August 8

Fees: \$15 per semester unit

Harvey B. Snyder, *Director of Summer Session*

June 23 to August 8—**SEVEN WEEKS SUMMER SESSION (7 or 8 units).** Arts and Crafts for Elementary School Teachers; Elementary School Methods in Arithmetic, Science, Reading and Social Studies; Elementary School Recreation and Physical Education; Classroom Management; Speech and Story Telling for Teachers; and Home Economics Education.

179

June 11 to August 7—**EUROPEAN STUDY TOUR (History 198, Contemporary Europe, 6 units).** This tour will be a study of present-day Europe in relation to its political, social and cultural aspects in order to understand the bases of our cultural heritage. The plan is to concentrate on study and observation for 10 days in each of the following centers: London, Heidelberg, Salzburg, Lucerne, and Paris. For further information, contact James Proctor Knott, Professor of History, director of the tour.

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GEORGE PEPPERDINE COLLEGE

1121 West 79th Street, Los Angeles

Summer Session: June 23 to August 29

First Session: June 23 to August 1

Second Session: August 4 to August 29

Tuition: \$19 per semester unit; 10 per cent reduction for teachers

J. P. Sanders, *Director of Summer Sessions*

June 23 to July 5—**ENRICHMENT MATERIALS, METHODS AND TECHNIQUES FOR THE GIFTED CHILD (181 SD, 2 units).** Basic organization of the programs for the education of the gifted child; classification and testing; curriculum adjustments, and principles of teaching the gifted; exploring creative activities; guidance and evaluation of student progress. Clark O'Dell. M-F, 1 to 4.

181

July 21 to August 1—**PREPARATION OF NATURE STUDY MATERIALS (181 SB, 2 units).** Designed to permit elementary and secondary teachers to collect, classify, and prepare for their classroom use an extensive variety of educational realia, objects,

specimens, replicas, and the like. Individual and group direction, field trips, and planning and construction will enable participants to prepare those materials in which they are individually interested. Dean Criss. M-F, 1 to 4. **182**

August 4 to August 15—CONSTRUCTION AND USE OF BETTER READING MATERIALS (181 SC, 2 units). Participants will discuss methods, techniques and materials useful in teaching remedial reading, both in the regular classroom and in special reading classes. Opportunities will be given for each teacher to prepare materials suitable for his own needs. Jack Witt. M-F, 1 to 4. **183**

August 18 to August 29—ARTS AND CRAFTS FOR THE MENTALLY RETARDED CHILD (181 SA, 2 units). A workshop dealing with the characteristics of the retarded child, with activities suited to develop his potentialities, and with material which will be challenging and interesting to him. Valuable to all teachers, but of particular worth to teachers working with these children. Alfred Schmidt. M-F, 1 to 4. **184**

SACRAMENTO STATE COLLEGE, 6000 J Street, Sacramento

Summer Session: June 23 through August 2

Lake Tahoe Session—July 7 through August 15

Post Session—August 4 through August 29

Fees: \$9.50 per semester unit

H. J. McCormick, *Dean of Educational Services and Summer Session*

June 23 to August 1—FILM VERSIONS OF LITERARY CLASSICS (Engl. 126, 1 unit). At each meeting the class will see an outstanding motion picture based on an important literary work. The presentation of each film will be preceded by a lecture on the literary work and followed by a discussion of the film in relation to the work on which it is based. Donald E. Houghton. Th, 7 to 9:30 p.m. **185**

June 23 to August 1—BUSINESS ADMINISTRATION INTERNSHIP (Bus. Adm. 195, 2 to 4 units). A seminar for business administration majors to help them put their abilities and training to the best use within the field of business. Herbert J. Chruden. T, Th, 7 to 10:15 p.m. **186**

June 23 to August 1—WORKSHOP IN PRIMARY PROCEDURES (Ed. 396, 2 units). Designed to provide opportunities for work on problems of the student's choice, such as preparation of material for the independent reading period, arithmetic games and activities, science experiments, art activities, and the like. For students with teaching experience. Ida E. Morrison. **187**

June 23 to August 1—WORKSHOP IN SCHOOL PUBLICATIONS, PUBLICITY AND JOURNALISM (Ed. 396, 2 units). Individual problem areas in the teaching, supervision and practice of journalism and publicity in relation to school publications. Individual work projects, open classroom discussions, and opportunity for practical application of principles, will be a feature of the course. John C. Egan. **188**

June 23 to August 1—WORKSHOP IN TEACHING BRASS INSTRUMENTS (Ed. 396, 2 units). Designed to stress the technical and instructional aspects of brass instrument playing and teaching. Consideration will be given to all brass instruments. A review of existing materials for teaching brass instruments, privately and in groups, as well as a preview of new materials, will be made. Norman J. Hunt. **189**

June 23 to August 1—GENERAL ART WORKSHOP (Art 130, 2 units). Experimental studio work particularly developed for elementary teachers. Projects designed to meet the needs of children, kindergarten through junior high school. Various art media and methods involved. Credit for this course not given to those who have taken Art 160. Donald W. Herberholz. **190**

June 23 to August 1—WORKSHOPS IN ELEMENTARY SCHOOL MUSIC (Ed. 396, 4 units). Both primary and intermediate workshops will be given. These workshops are

open to classroom teachers, administrators, and others who are particularly interested in the music program of the elementary schools. Procedures will be determined by the needs and interests of the class personnel. Opportunity will be provided for students to work on problems in music education that are personally applicable. Viola Boekelheide and Letha M. Rastede. **191**

June 23 to August 1—WORKSHOP IN EDUCATIONAL TELEVISION (Ed. 396, 4 units). Problems and practices of instructional television; review and critique of instructional television research; history of instructional television; and policies and principles of administering educational television. Primary emphasis will be upon the preparation and utilization of programs for instructional purposes. Students will be given an opportunity to write and produce programs for reception in classrooms, work with closed circuit television equipment, prepare visual materials, and evaluate instructional programs. L. Paul Saettler. **192**

June 23 to August 1—BUSINESS EDUCATION WORKSHOP (Bus. Adm. 396, 4 units). Workshop will meet from nine to eleven daily, with three of the two-hour sessions each week devoted to group activity and discussion. The other two meetings each week will be spent on individual projects worked out in consultation with the instructor. Marion M. Lamb. **193**

June 23 to August 1—RESOURCES AND INFORMATION ON BUSINESS AND INDUSTRY FOR TEACHERS (Bus. Adm. 190, 2 units). Provides elementary and secondary teachers with background information on how modern business produces and markets such basic commodities as steel, petroleum products, automobiles, airplanes, and the like. Emphasis on California business—agriculture, fisheries, and extractive industries. Extensive use of audio-visual presentation, discussion and plant visitation. John R. Cox. **194**

June 23 to August 1—WORKSHOP IN SOCIAL STUDIES (Ed. 212, 4 units). It will be the intent of the workshop to examine progress reports of the California State Central Committee on Social Studies; to continue work begun last summer and re-examined at the local May 3, 1958 conference; and to consider the problems of sequence, instructional procedures, and materials produced by current curricular developments. H. Orville Nordberg and John C. Livingston. **195**

June 23 to June 27—SCHOOL CAFETERIA WORKSHOPS (1 unit each). The following five workshops will be offered for public school cafeteria personnel:

NUTRITION FOR SCHOOL LUNCH PERSONNEL (2 sections)

BEGINNING MENU PLANNING (2 sections)

ADVANCED MENU PLANNING

SANITATION

PURCHASING

Since the nature of instruction requires that the size of the classes be limited it is necessary that intention to register be indicated well in advance. Information regarding preregistration may be obtained from the Dean of Summer Session. Daily, 8 to 12, Mary Jo Kenny. **196**

June 23 to August 1—ARCHAEOLOGICAL FIELD WORK (Anthrop. 195, 295, 3 to 6 units). Archaeological studies in the High Sierra. Survey and excavation of archaeological sites in the Lake Tahoe-Truckee area. For further information contact Brigham A. Arnold. **197**

July 21 to July 25—WORKSHOP IN ELEMENTARY SCHOOL MUSIC (Ed. 396, 1 unit). It will be the purpose of the workshop to analyze and to develop suggestions for using "Music for Living Series," the new music texts for elementary schools in California. Daily, 1 to 4. Letha M. Rastede and Viola Boekelheide. **198**

August 4 to August 15—WORKSHOP IN ELEMENTARY SCHOOL ARITHMETIC (Ed. 396, 2 units). Planned in co-operation with the faculty and administration of the North Sacramento Elementary School District for the purpose of making a critical evaluation of materials, methods, and procedures for the organization and conduct of the instructional program in arithmetic for the district. Registration fee \$19. Daily, 9 to 12. George N. Beaumariage, Jr. **199**

CULTURBUS TOURS

June 16 to June 20—California Indians. Richard H. Reeve.

June 23 to July 7—Mexico—Art and Culture. Paul Beckman.

August 2 to August 16—Business and Industrial Centers of United States. Herbert J. Chruden.

June 16 to June 20—Virginia City via Quincy, Downieville. Ted Baggelmann.

June 26 to August 18—Mexico—Language and Culture. Jim Holton.

August 4 to August 8—Shakespeare Festival. William W. Snyder.

June 14 to June 22—Grand Canyon. Martin R. Brittan.

June 14 to June 22—Lassen Volcanic National Park. Robert L. Livezey.

June 26 to July 5—Colorado River. Martin R. Brittan.

August 2 to August 22—Lake Louise. Martin R. Brittan.

August 2—Trees, 1-day trip from Sacramento to Nevada City and Emigrant Gap. Hartford Kiefer.

For further information contact Willard W. Thompson.

200

June 22 to August 30—AUDUBON CAMP. In the Sugar Bowl of the Sierra Nevada.

Outdoor learning, informal field trips with special emphasis on problems of conservation. Qualified individuals may earn 2 units for successful participation during one of the two-week periods. Requests for information before June 20 may be addressed to National Audubon Society, 2426 Bancroft Way, Berkeley 4, California; after June 20, to Audubon Camp of California, Norden, California.

201

June 20 to August 1—EUROPE, OUR CULTURAL HERITAGE (6 units). Pleasant, thorough coverage of major points of interest in Europe including London, Brussels, Amsterdam, Paris, Geneva, Milan, Venice, Florence, Rome, Nice, Madrid, and Lisbon. For further information contact Baxter M. Geeting.

202

June 23 to August 1—SUMMER THEATER (1 to 4 units). At least one major production is planned. All interested students are invited to participate. Carl A. Thomas.

203

June 23 to August 1—SPEECH AND HEARING CENTER. Four courses are offered for candidates for the credential to teach exceptional children (speech correction and lip reading) in remedial classes. A limited number of hard-of-hearing persons for whom lip reading is recommended will be accepted for therapy during the six-week session. For further information address inquiries to Maryjane Rees, Speech and Hearing Center.

204

June 23 to August 1—PERSONNEL PRACTICES AND HUMAN RELATIONS IN SCHOOL ADMINISTRATION. Offered every Wednesday during the six-weeks summer session, from 2 to 4, this workshop is primarily designed for working administrators and school board members. Advanced students in educational administration are also invited to attend. For further information contact Willis J. Black.

205

SAN DIEGO STATE COLLEGE, San Diego

Intersession: June 16 to June 27

Summer Session Term I: June 30 to August 8

Summer Session Term II: August 11 to August 29

Fees: \$9.50 per unit

Manfred H. Schrupp, *Dean of Extended Services*

June 28 to September 5—EUROPEAN STUDY TOUR (Econ. 195, International Economics-Problems, 3 units; and Gen. Cult. 17-S/117-S, European Civilization, 3 units). Participants will sail from New York, June 28, on an American luxury tourist ship, to spend 55 days in Europe. The group will travel by chartered motor coach through Belgium, Holland, Denmark, Sweden, Norway, Germany, Switzerland, Italy, France, Monaco and England. A special feature of the tour will be a week's stay in Switzerland where the regular course work will be enriched by field trips, and by lectures of representatives of the U. N. offices,

university professors and business leaders. Opportunities for recreation will be numerous and will include the World's Fair in Brussels, theater in London, opera in Paris and Rome, and a trip by steamer on the Rhine. Students wishing to register for Economics 195 or General Culture 17-S/117-S should secure from the tour leaders, Eugene P. Brown and Leonard Messier, the specific instructions to be fulfilled in order to obtain credit. **206**

July 8 to August 19—ANNUAL WORKSHOP IN CHORAL ART (Mu. 207 ABC, Seminar in Choral Art, 6 units). Robert Shaw and Julius Herford will serve as codirectors for the sixth summer of the seminar in choral art. The seminar combines structural studies with practical problems in technique and provides a unique integration of musical theory and performance. Among the major choral works listed for performance at the summer concerts and for study in the seminar are the *Cantata No. 4* and the *Passion According to St. Matthew* by J. S. Bach; Beethoven's *Missa Solennis*; and an opera in concert form. For additional information write to J. Dayton Smith, Chairman, Music Department. **207**

June 30 to August 8—SCIENCE LECTURE SERIES (Biol. 170-S, 1 unit; Phy. Sci. 140-S, 1 unit; and Psych. 180-S, 1 unit). Three series of six weekly lectures each, in biology, physical science, and psychology will be held on campus in the evenings. Outstanding research scientists will give firsthand reports of contemporary investigation in their respective fields. Open to all interested persons. A limited number of qualified students will be allowed to enroll for credit. **208**

June 30 to August 8—WORKSHOPS IN BUSINESS EDUCATION (Bus. Adm. 180, 2 to 6 units). Workshops under the heading of business education have been set up in three areas as follows:

June 30 to July 11—MANUAL AND ELECTRIC TYPEWRITING WORKSHOP

July 14 to July 25—SECRETARIAL SKILLS WORKSHOP

July 28 to August 8—BOOKKEEPING AND ACCOUNTING WORKSHOP

For further information address inquiries to Maurice L. Crawford, Department of Business Education. **209**

August 11 to August 29—CALIFORNIA FIELD COURSE (Geog. 120-S, 3 units). A study of the physiographic regions of California and the cultural landscapes developed by successive groups. Emphasis will be placed on the physical, cultural and historical geography of California and will include a week's preliminary study, a 10-day field trip by bus covering 2,000 miles, and three days' summary study upon returning. Additional information may be obtained from Lauren C. Post. **210**

June 16 to June 27—GEOLOGY TOUR (Geol. 199-S, 2 units). A two-week field study of some of the classic geologic localities in the western United States, including such areas as Death Valley, the Grand Canyon, Zion Canyon, and Bryce Canyon. Equipment for camping and cooking will be necessary. For further information write to Baylor Brooks. **211**

June 23 to June 27—GUIDANCE CONFERENCE (Ed. 191, 1 unit). Designed to assist teachers, counselors, administrators, and others to increase their understanding and competence in the field of student personnel. May be taken three times for credit. Address inquiries to Charlotte Carey, Division of Education. **212**

August 11 to August 29—INSTITUTE ON WORLD AFFAIRS (Pol. Sci. 168-S, 3 units). Lectures and group discussion devoted to examining and analyzing contemporary problems in world affairs. **213**

August 11 to August 22—WORKSHOP IN HEALTH EDUCATION (Health Ed. 154, 2 units). For nurses, teachers, administrators. Methods and techniques of education for all grades, with special emphasis on their contribution to the health instruction program in related areas, such as social studies, science, and physical education. Opportunity for preparation of units, development of materials and study of other approaches to health education. Cosponsored by 10 educational and health organizations. **214**

June 30 to August 8—WORKSHOP IN COMMUNITY INFLUENCES ON LEARNING AND CURRICULUM PLANNING (Ed. 208-S, 6 units). For teachers, administrators, counselors,

and curriculum co-ordinators of elementary and secondary schools. A full-time program of lectures, demonstrations, films, field trips, and discussions of techniques for planning and guiding learning activities for children (role playing, sociodrama, sociometry, the pupil diary; developmental tasks, social class influences on learning, the democratic vs. the authoritarian personality, and the like). For further information write to William Jack Stone, Director. **215**

June 30 to August 29—WORKSHOPS IN ELEMENTARY EDUCATION (Ed. 135, 3 to 6 units). The following problem-centered work sessions are designed for teachers who have completed basic professional education courses and are seeking background information, teaching materials, and techniques which will enrich their teaching.

June 30 to July 18—WORKSHOP IN ARITHMETIC (3 units)

June 30 to July 18—WORKSHOP IN MUSIC EDUCATION (3 units)

July 21 to August 8—WORKSHOP IN ELEMENTARY SCIENCE (3 units)

August 11 to August 29—WORKSHOP IN READING (3 units) **216**

August 11 to August 29—DRIVER EDUCATION WORKSHOP (Ed. 123, 3 units). A basic course for high school teachers of driver education will be offered during the second summer session. A grant from the Allstate Foundation makes it possible to offer scholarships of \$75 to those who can qualify. For further information concerning either the course or the scholarships write to M. D. Alcorn, Division of Education. **217**

June 30 to August 8—WORKSHOP ON GIFTED CHILDREN (Ed. 126 or Ed. 135, 6 units). Features observation of and participation with gifted children selected from grades 5, 6, and 7. In addition to the participation and observation periods there will be lectures, discussion, and work periods. The nature of the gifted as well as curriculums, procedures, and programs will be studied. A consultant from a major city program on gifted children will participate. Admission to the workshop will be by written application only. For further information write to Francis A. Ballantine, Division of Education. **218**

June 30 to August 8—SUMMER DEMONSTRATION SCHOOL. The Campus Laboratory School will offer a program for children in kindergarten and in grades one through six, staffed by outstanding demonstration teachers, and exemplifying modern practices in elementary education. **219**

SAN FRANCISCO COLLEGE FOR WOMEN, Lone Mountain, San Francisco

Summer Session: June 23 to August 2

Fees: \$12.50 per semester unit, undergraduate

\$15 per semester unit, graduate

For information, address *Dean of the Summer Session*

June 16 to June 20—THE ROOTS OF TODAY IN YESTERDAY'S HISTORY AND FINE ARTS (History 104 N, 2 units). Designed to give teachers a deeper understanding of current affairs, the course consists of six lectures daily given by experts in the fields chosen as among the most significant in today's news. **220**

June 23 to August 2—ART IN THE ELEMENTARY SCHOOL (Ed. 135, 2 units). Basic experience in the media commonly used in the elementary school. **221**

June 23 to July 12—WORKSHOP IN ELEMENTARY ARITHMETIC (Ed. 131, 2 units). Designed primarily to aid teachers in making arithmetic meaningful to children. **222**

June 23 to July 12—CURRICULUM FOR MUSIC ACTIVITIES IN THE ELEMENTARY SCHOOL (Ed. 134, 2 units). The course includes basic theory, method of presentation, rhythms, and supplementary devices to enrich the program. **223**

July 14 to August 2—TEACHING OF READING IN THE ELEMENTARY GRADES (Ed. 134, 2 units). The emphasis in this course will be upon materials and devices used for the improvement of comprehension and speed in reading. **224**

SAN FRANCISCO STATE COLLEGE, 1600 Holloway Avenue, San Francisco

Summer Sessions: Intercession, June 16 to June 20

Regular Session, June 23 to August 1

Post Session, August 4 to August 22

Off-campus Sessions at Modesto, Santa Rosa, and Vallejo, June 23 to August 1

Fees: \$9.50 per semester unit

Willard L. Leeds, Co-ordinator of Summer Sessions

June 27 to August 18—STUDY TOURS. Requests for specific information regarding costs, travel arrangements, itineraries, college credit, and the like, should be addressed as early as possible to the director of the tour, in care of the college.

July 3 to August 18—MUSIC AND ART OF WESTERN EUROPE (6 units). Director, D. Sterling Wheelwright.

June 27 to August 13—JUBILEE TOUR (6 units). Director, George D. Gibson. **225**

June 16 to June 20—THE USES AND UNDERSTANDING OF ADVERTISING (Bus. s182.2; 1 unit). The economics and social functions of advertising. Conducted by William J. Regan. **226**

June 16 to June 20—SYMPOSIUM ON MODERN METHODS AND REALISTIC GOALS IN TYPE-WRITING (Bus. s120.1, 1 unit). Conducted by T. James Crawford and William Winnett. **227**

June 16 to June 20—INSTITUTE ON LABOR AND MANAGEMENT TODAY (Bus. s159.1 or Econ. s159.1, 1 unit). Conducted by George C. Feliz and Paul N. Woolf. **228**

June 16 to June 20—WORKSHOP IN SHAKESPEAREAN RESOURCES AND STAGING FOR SCHOOL AND COMMUNITY (Dr. s198, 1 unit). Conducted by J. Fenton McKenna, Alex B. Flett, and John Martin. **229**

June 16 to June 20—INDUSTRIAL ARTS EDUCATION FOR THE SPACE AGE (I.A. s200.3, 1 unit). Conducted by Dwight W. Nichols. **230**

June 16 to June 20—WORKSHOP IN CHURCH MUSIC (Mu. s132, 1 unit). Conducted by Hugh Ross and John C. Tegnell. **231**

June 16 to June 20—MUSIC IN THE ELEMENTARY SCHOOLS (Mu. Ed. s112, 1 unit). New music texts for elementary schools featured. Conducted by Roy E. Freeburg, Edna Doll, Lily H. Greer, Walter L. Haderer, Gene Wisler, Alice M. Snyder, Marcelle Vernazza, and William R. Ward. **232**

June 16 to June 20—TEACHING FUNDAMENTALS IN HIGH SCHOOL (Ed. s150.2, 1 unit). Conducted by Hilda Taba, Robert T. Blackburn, and Robert E. Shafer. **233**

June 16 to June 20—CONFERENCE FOR SCHOOL BOARD MEMBERS (Ed. s189.1, 1 unit). For information write to Aubrey E. Haan. **234**

June 16 to June 20—DEVELOPING PROGRAMS OF INSTRUCTION FOR GIFTED PUPILS (Ed. s190.1, 1 unit). For information write to Paul B. Hale. **235**

June 16 to June 20—WORKSHOP ON SAFETY EDUCATION AT ELEMENTARY AND JUNIOR HIGH SCHOOL LEVELS (H. Ed. s151, 1 unit). Conducted by Richard V. Boyle and Harold J. Cornacchia. **236**

June 16 to June 20—FIELD PROBLEMS IN NATURAL HISTORY—MENDOCINO COAST (Nat. Hist. s198, 1 unit). Camping, outdoor lecture-laboratory session on the Mendocino Coast. Conducted by John S. Hensill and James R. Sweeney. **237**

June 16 to June 20—AFRICA SOUTH OF THE SAHARA (Soc. Sci. s197.5, 1 unit). Analysis of struggle between Western European colonialism, African nationalism, and Soviet communism in twentieth century Africa. Conducted by J. Cudd Brown. **238**

June 23 to August 1—WORKSHOPS ON EDUCATION OF EXCEPTIONAL CHILDREN. Includes offerings in the field of education of the mentally handicapped, the visually

handicapped, the acoustically handicapped, the speech handicapped, and the physically handicapped, including the cerebral palsied. Organized to meet requirements for the teaching credential for exceptional children, with major emphasis in the several areas, as well as for certification for audiometrist, workshops will provide experience for preservice professional preparation and for experienced teachers. Advanced work for the master's degree will also be offered. Clinical facilities in speech, hearing, and vision; and demonstration classes in all fields will be available. Write to Co-ordinator of Special Education. **239**

July 18 to August 1—WORKSHOP: THE BLIND STUDENT IN JUNIOR AND SENIOR HIGH SCHOOL (Ed. s261.7, 2 units). Conducted by Georgie Lee Abele, Florence G. Henderson, and Madge Leslie. **240**

June 23 to July 11—WORKSHOP ON CURRICULUM FOR THE DEAF (Ed. s263, 3 units). Limited to experienced teachers. **241**

July 23 to August 1—ELEMENTARY DEMONSTRATION SCHOOL. The school is in session for the morning hours only. Enriched program for the pupils, centering around selected curriculum units and including arithmetic, science, and creative arts experiences. Handicapped children will be integrated into the regular program of the school with special attention given by a resource teacher in the field. Classes will include kindergarten through grade six. For information write to Esther Anson, Summer Demonstration School. **242**

June 23 to August 1—SEMINAR IN THE CREATIVE ARTS IN LATER CHILDHOOD (C.A. s251.3, 3 units). Opportunity for elementary classroom teachers to develop a degree of personal competence in the fields of art, music, drama, and rhythmic activities. Art activities of intermediate children in the elementary school. Mrs. Alice M. Snyder. **243**

June 30 to July 18—WORKSHOP: ELEMENTARY SCHOOL ARITHMETIC (Ed. s134.7, 3 units). Conducted by Edna Wisely, Eva S. Gildea and Herbert Wilson. **244**

July 7 to July 18—WORKSHOP FOR CHILD CARE TEACHERS (Ed. s193.1, 2 units). Conducted by Lynette M. Messer and Marion Taylor. **245**

June 23 to July 14—SEMINAR IN SCHOOL BUSINESS MANAGEMENT (Ed. s283.3, 3 units). Principles and policies in school business administration as these relate to purchasing, plant planning and management, personnel, payroll, accounting, auditing, insurance, and budget processes. Legal bases. Ruth Melendy. **246**

June 30 to July 18—SOCIAL STUDIES CURRICULUM WORKSHOP (Ed. s292.2, 3 units). In co-operation with the State Department of Education and the California State Central Committee on Social Studies. Conducted by Edith P. Merritt and Morris R. Lawrence. **247**

June 23 to July 11—WORKSHOP: METHODS AND MATERIALS FOR TEACHING AN INTEGRATED HOMEMAKING PROGRAM (H. Ec. s190.4, 3 units). Evaluation in home-making education in the junior and senior high school. Conducted by Gertrude Luehning and Kathleen McGillicuddy. **248**

June 23 to August 1—WORKSHOP IN WRITING POETRY (Eng. s198, 3 units). Opportunity to study under internationally known poet. Conducted by Theodore Roethke. **249**

June 23 to August 1—CONTEMPORARY POETRY (Eng. s168, 3 units). Lectures on outstanding poets of our day by Pulitzer Prize-winning poet. Theodore Roethke. **250**

June 23 to August 1—WORKSHOP IN FUNDAMENTALS OF CREATIVE WRITING (Eng. s16-116, 3 units). Conducted by Muriel Rukeyser, Walter Van Tilburg Clark, and Arthur R. Foff, noted authors. **251**

June 23 to August 1—WORKSHOP IN MATHEMATICS FOR TEACHERS (Math. s184, 3 units). Conducted by Edward H. Whitmore. **252**

June 23 to August 1—WORKSHOP IN ELEMENTARY SCHOOL SCIENCE (N.S. s100, 2 units). **253**

- June 23 to August 1—SEMINAR: INSTRUCTIONAL PROBLEMS IN STENOGRAPHIC AND GENERAL CLERICAL AREAS (Bus. s296.2, 3 units). Conducted by Thelma Potter Boynton, Teachers College, Columbia University. **254**
- June 23 to August 1—SEMINAR IN THE IMPROVEMENT OF INSTRUCTION IN BOOKKEEPING AND RELATED SUBJECTS (Bus. s296.4, 3 units). Conducted by Lewis D. Boynton, Teachers College of Connecticut. **255**
- June 23 to August 1—DEVELOPMENT OF BUSINESS AND ECONOMIC UNDERSTANDING IN SECONDARY SCHOOLS (Bus. s296.5, 3 units). Presenting special guest lecturers. Conducted by S. Joseph De Brum. **256**
- June 23 to August 1—SHAKESPEAREAN FESTIVAL (Dr. s130, 3 units). Three major plays to be rotated—comedy, tragedy, and a historical play. Elizabethan music, design, decor, art, and costumes featured. Conducted by J. Fenton McKenna. **257**
- June 23 to August 1—WORKSHOP IN LATER CHILDHOOD EDUCATION (Ed. s130.3, 3 units). Santa Rosa off-campus summer session. Dorothea Hinman. **258**
- June 23 to August 1—WORKSHOP IN SECONDARY EDUCATION (Ed. s153.2, 3 units). Vallejo off-campus session. Conducted by Ralph K. Hansen. **259**
- June 23 to August 1—WORKSHOP IN ELEMENTARY SCHOOL ARITHMETIC (Ed. s199, 3 units). Vallejo off-campus session. Conducted by Lois Pottenger. **260**
- August 4 to August 22—PRACTICUM IN TEACHING OF BUSINESS SUBJECTS (Bus. s193.1, 2 to 3 units). Conducted by William Winnett. **261**
- August 4 to August 22—WORKSHOP ON DYNAMICS OF VOCATIONAL BUSINESS EDUCATION (Bus. s293.3, 3 units). In co-operation with the Bureau of Business Education, California State Department of Education. Conducted by John H. Linn and Ruth Paget. **262**
- August 4 to August 8 and August 11 to August 15—FIELD PROBLEMS IN GEOLOGY: YOSEMITE NATIONAL PARK (Geol. s132, 1 unit). Conducted by York T. Mandra. **263**
- August 18 to August 22—FIELD PROBLEMS IN GEOLOGY: LASSEN NATIONAL PARK (Geol. s132, 1 unit). Conducted by York T. Mandra. **264**
- June 23 to August 22—EDUCATION—PSYCHOLOGY: WITH CAMP EXPERIENCE (Ed.-Psych. s100 III, 8 units). Leadership experience in camp situations from June 23 to July 18. Conducted by Ardelle Llewellyn. **265**
- June 16 to August 1—SUMMER CAMPING INTERNSHIP FOR WOMEN (7 units). Five weeks at girls' camp in Sierra City in co-operation with the San Francisco Girl Scout Council. Address inquiries to Robert R. Smith. **266**
- June 23 to August 13—CAMPING AND OUTDOOR EDUCATION AT COLLEGE CAMP (Re. Ed., 7 units). Located at Yuba Pass near Sierra City. **267**
- August 2 to August 20—WORKSHOP ON TRAINING AND RECREATION PROGRAMS FOR SEVERELY RETARDED CHILDREN (Ed. s166.4, 3 units). At summer camp at La Honda, approximately 25 miles from San Francisco. By application. Write to Co-ordinator of Special Education. **268**
- WORKSHOP IN SPECIAL EDUCATION—MENTALLY RETARDED (Ed. s166.2, 6 units). **269**

SAN JOSE STATE COLLEGE, San Jose

Six Weeks Session: June 23 to August 1

Four Weeks Session: August 4 to August 29

Fees: \$9.50 per semester unit

Joe H. West, Dean of Summer Sessions

- June 16 to June 20—WORKSHOP IN READING PROBLEMS (Ed. 231s, 1 unit). A special reading clinic concerned with developmental and remedial reading problems.

Opportunity will be given for discussion of developmental reading in the elementary and secondary schools and for diagnosis and correction of reading problems. For information write to Vergil H. Hughes, Teacher Education Division. **270**

June 16 to June 20—CHALLENGES OF CHILDHOOD WORKSHOP (H.E. 174S, or Psy. 174S, or Ed. 174S, or H.H. 174S, 1 unit). For the third year a staff of specialists headed by a noted child psychiatrist and pediatrician will conduct this significant project devoted to the study of problems of child growth and behavior. The workshop will bring together for five days a group of parents, students, teachers, health educators, social workers and others seeking better understanding of the physical, physiological and emotional development of the child as he confronts the problems of growing up. For information write to Margaret C. Jones, Head, Department of Home Economics. **271**

June 16 to June 20—WORKSHOP IN PROBLEMS OF YOUTH (Psy. 213s, 1 unit). Persons from different professions dealing with young people will be welcomed to this co-operative study of the problems of adolescents and youth today. Specific content of the workshop will be determined by the interests and needs of those attending, but will include applicable theory, research findings and techniques. Enrollment limited. Make advance application to Ruth M. Tiedeman, Department of Psychology. **272**

June 16 to July 3—WORKSHOP CONFERENCE ON THE SOCIAL STUDIES (Ed. 256S, 3 units). A workshop on the social studies curriculum in co-operation with the State Department of Education and the California State Central Committee on Social Studies. The workshop will deal with instructional problems, grades kindergarten through fourteen, related to the proposed design of the state social studies curriculum. It is open only to members of the curriculum group sponsored by school districts, or to participants in the 1957 workshop who wish to continue their studies. A full-time program; students may not take work in six-week session concurrently. For information write to Henry C. Meckel, Teacher Education Division. **273**

June 20—one day—WORKSHOP FOR SCHOOL ADMINISTRATORS AND HEALTH SUPERVISORS (no credit). The purpose of this workshop will be to provide an opportunity for school administrators to plan adequate school health programs, and to discuss what the six-week HEALTH EDUCATION WORKSHOP FOR TEACHERS AND NURSES should include. For information write to Charlotte E. Wilcox, Head, Health and Hygiene Department. **274**

June 23 to August 1—FESTIVAL OF ARTS. The fourth annual FESTIVAL OF ARTS will offer a rich program of plays, concerts, exhibitions, lectures and special features for the pleasure of the summer session student. Specific aspects of the teaching programs in each of the three departments of Music, Art, and Speech and Drama will be emphasized through guest lectures, exhibitions, master lessons and other devices which those not necessarily majoring in the fine arts should find instructive and pleasurable. **275**

June 23 to August 1—JUNIOR HIGH SCHOOL ART, MUSIC AND DRAMA WORKSHOP. The departments of Art, Music, and Speech and Drama will co-operate in presenting a workshop to junior high school students, the chief goals of which will be to present, through experience, the interrelationships between the fine arts, and to extend and develop the interest of each student in a particular fine art. Members of the graduate seminar (Art, Music or Drama 274S), SEMINAR IN THE CORRELATION OF THE CREATIVE ARTS, will observe and evaluate the project. For information write to Harold C. Crain, Chairman, Division of Fine Arts. **276**

June 23 to August 1—READING CLINIC (Ed. 217S and Psy. 218S, 3 units). The clinic will work with elementary and secondary school pupils who have reading difficulties or who are especially handicapped. Participants will have opportunity to work for one hour a day with these pupils under the supervision of specialists. They will be encouraged to try new methods and techniques, and these will be evaluated by the professional staff. For information write to William G. Sweeney, Head, Division of Education. **277**

- June 23 to August 1—**DEMONSTRATION SCHOOL** (Ed. 140AS, 2 units, Ed. 140BS, 2 or 4 units, Ed. 142S, 2, 4, or 6 units). Advanced methods for teaching kindergarten through grade six will be demonstrated, and several consultant-specialists will show how to make fuller use of music, art and construction. In addition to those who observe, a limited number of experienced teachers may elect to participate. These should secure permission in advance. Admission to the demonstration school is by registration only; occasional visitors will not be permitted. A limited number of children will be accepted for the school. For information write to Joseph B. Larkin, director of demonstration school. **278**
- June 23 to August 1—**GENERAL ELEMENTARY WORKSHOP** (Ed. 226S, 6 units). Experienced teachers who wish to work full-time on problems of elementary education will have the opportunity to improve techniques and materials under the guidance of a group of specialists. Participants will observe the demonstration school, and its staff of teachers and consultants will be available. Come prepared to share ideas. For information write to William G. Sweeney, Head, Division of Education. **279**
- June 23 to August 1—**KINDERGARTEN-PRIMARY WORKSHOP** (Ed. 190S, 6 units). This project will be conducted by a group of outstanding consultants in various subject matter and aesthetic areas within the kindergarten-primary curriculum. Opportunity will be given to observe teaching techniques in the demonstration school. A full-time program for experienced teachers. For information write to Lowell G. Keith, Head, Elementary Education Department. **280**
- June 23 to August 1—**WORKSHOP IN EDUCATION OF GIFTED CHILDREN** (Ed. 220S, 4 units). Designed to provide elementary and secondary school teachers, supervisors, and administrators opportunity to explore the principles and practices involved in modifying the school program so as to conserve and develop to the optimum degree the capabilities of the more able child. Opportunity will be provided to examine the latest curriculum materials, to develop enrichment materials for use with the more capable learner, on his interest level, and to become acquainted with current practices through discussion with directors of special education programs. For information write to Vergil H. Hughes, Teacher Education Division. **281**
- June 23 to August 1—**DRIVER EDUCATION** (Ed. 192S, 2 units). A methods course designed to train driver education teachers for secondary schools, the course will include both behind-the-wheel instruction and classroom procedures. California driver's license required. For information write to Heber A. Sotzin, Head, Industrial Arts Department. **282**
- June 23 to August 1—**SAFETY EDUCATION** (Ed. 191S, 2 units). This course will deal with accident and fire prevention as it affects daily life at home, at school, on the playground, the farm, the street, at sports, and on the highway. For information write to Heber A. Sotzin, Head, Industrial Arts Department. **283**
- June 23 to August 1—**NATIONAL SCIENCE FOUNDATION SUMMER INSTITUTE** (Biol. 251S and Phys. Sci. 251S, 6 units). This institute offers the teacher of general science in the junior or senior high school basic information and methodology with which to improve his instruction in one area of general science teaching, either biology or physical science. A stipend is granted to participants, sufficient to cover a major part of the tuition, living costs, and travel expenses. Enrollment is limited to approximately 45. Applications must be submitted to Wilbur Sprain, Physical Science Department. **284**
- June 23 to August 1—**GEOLOGY FIELD STUDIES** (Geol. 103S, 6 units). A field program for qualified senior geology majors, students will spend a full working day, five days a week, studying areas of geological interest. A campsite is located in the San Joaquin Valley. Students provide their own camping equipment. Food is purchased and prepared on a group basis. For information write to Carl D. Duncan, Chairman, Natural Science Division. **285**
- June 23 to August 1—**SPEECH CORRECTION** (Sp. 150S, 4 units, or Sp. 153S, 3 units, or Sp. 161S, 3 units). The Speech and Drama Department of the college will offer

a series of speech correction courses this summer under the leadership of a group of experts from the regular college faculty and elsewhere. Courses will be given dealing with the problems in organic and nervous speech disorders. The program will also include observation of resource teachers using new methods with children of different ages; clinical practice in the laboratory for advanced students; and courses to meet the requirements for the credential to teach exceptional children, in speech correction and lip reading, and in other areas of specialization. For information write to Harold C. Crain, Chairman, Division of Fine Arts. **286**

June 23 to August 1—SCHOOL PUBLICATIONS WORKSHOP (JOUR. 263S, 2 units). Class members will produce the summer session newspaper in this basic introduction to the techniques of writing, illustrating and laying out school publications. The school yearbook, newspaper, literary magazines, and mimeographed publications will be dealt with, and some attention will be given to school publicity. No experience necessary. For information write to Dwight Bentel, Head, Journalism Department. **287**

June 23 to August 1—HEALTH EDUCATION WORKSHOP (H.H. 190S, 6 units). Speakers from national, state and local health organizations; continuous showing of exhibits, films and library reference materials, and field trips to health departments, water and sewage plants, atomic power plants and research centers will be features of this workshop for teachers, nurses, school administrators and public health educators. Emphasis will be placed on the preparation of health teaching materials, and curriculum planning. For information write to Charlotte E. Wilcox, Head, Health and Hygiene Department. **288**

June 23 to August 1—HARTNELL SUMMER SESSION is a branch summer session conducted at Hartnell College, Salinas, permitting teachers in that area to attend college near their homes and at the same time receive residence credit at San Jose State College. Courses are selected to stimulate cultural, social, and political awareness. Persons not engaged in teaching are also invited to attend. Hartnell College is pleasantly located for a summer session, being within convenient driving range of the Monterey Peninsula, Santa Cruz, and the northern San Luis Obispo area. Address inquiries to Frank G. Willey, Co-ordinator, Extension Services. **289**

June 23 to August 1—THE CHILD AND HIS RELATION TO DRAMATICS (DR. 65S-165S, 3 units, or Art, Music, or DR. 274S, 2 units). Special attention will be given in the Speech and Drama Department to the child in his relation to dramatics, with two courses particularly focused on this subject: CHILDREN'S THEATER AND CREATIVE DRAMATICS, and SEMINAR IN THE CORRELATION OF THE CREATIVE ARTS. The latter course will operate in conjunction with and under the same staff as the fine arts area program in art, drama and music for junior high school students, where a correlated arts program will be observed. Teachers and children's theatre workers can develop programs to serve their needs in understanding the place of the child in a dramatic program; the kinds of dramatic activities available for the children; and the techniques of using these materials. For information write to Harold C. Crain, Chairman, Division of Fine Arts. **290**

June 30, July 1, July 2 (evenings)—CHAMBER MUSIC FESTIVAL (no credit). A series of three chamber music concerts presented by the music faculty. Commentary by Lillian Baldwin, former Music Consultant of the Cleveland Symphony Orchestra. For information write to Hartley D. Snyder, Head, Music Department. **291**

July 14 to July 19—CHORAL MUSIC WORKSHOP (MUS. 168BS, 1 unit). Intensive work on choral techniques under the direction of John Bloom, Director of Choral Activities at the University of Arizona. For information write to Hartley D. Snyder, Head, Music Department. **292**

July 14 to July 19—ELEMENTARY MUSIC WORKSHOP (MUS. 191AS, 1 unit). Concentrated study with the materials found in the "Music for Living Series," music texts recently adopted for use in the California elementary schools. The workshop

will be under the direction of Neva Aubin of the University of California. For information write to Hartley D. Snyder, Head, Music Department. **293**

July 14 to July 19—**INSTRUMENTAL MUSIC WORKSHOP** (Mus. 191BS, 1 unit). Under the direction of Donald McGinnis, Director of the Ohio State University Concert Band, the workshop will emphasize demonstration of special techniques in playing the instruments of the orchestra and the band. Instrument repair will be included, and instruction on any orchestral instrument may be arranged. For information write to Hartley D. Snyder, Head, Music Department. **294**

July 11, 21, 22, 23—**SCHOOL LIBRARIANSHIP SEMINAR WEEK** (no credit). The Department of Librarianship will present a series of four one-day seminars on current school library topics featuring a different nationally known authority at each session. Seminar leaders will be Robert L. Gitler, Executive Secretary of the Library Extension Division, American Library Association; Louis Shores, Dean of School Library Training and Services, Florida State University; Mrs. Mildred L. Nickel, Director of School Libraries, State of Illinois Department of Public Instruction; and Mary K. Eakin, Librarian, University of Chicago Library. For information write to Dora Smith, Head, Librarianship Department. **295**

August 4 to August 8—**SCHOOL LUNCH MANAGEMENT WORKSHOPS**. In co-operation with the State Department of Education, the college will again sponsor school lunch workshops. For information, write to Dean of Summer Sessions. **296**

August 4 to August 15—**WORKSHOP IN OCCUPATIONAL INFORMATION** (Psy. 191S, 2 units). Leading Santa Clara Valley industries will again co-operate with the college for the second annual workshop in occupational information. Designed for counselors and others interested in vocational guidance at the junior high, high school, and junior college levels, the class will meet from 9:20 a.m. to 4 p.m. daily, with one day spent at each of seven different plants. Enrollment will be limited to 35 persons. Write to John M. MacRae, Psychology Department. **297**

August 4 to August 22—**WORKSHOP IN JUNIOR HIGH SCHOOL EDUCATION** (Ed. 233s, 3 units). This project will be concerned with problems and activities of special interest to those interested in the educational program at the junior high school level. For information write to G. W. Ford, Head, Secondary Education Department. **298**

August 11 to August 22—**MUSIC EDUCATION WORKSHOP** (Mus. 190S, 2 units). Music activities from kindergarten through the ninth grade will be conducted by the nationally known music educator, Lilla Belle Pitts, formerly professor of music education at Teachers College, Columbia University. Special attention will be given to materials found in the "Music for Living Series," newly adopted as texts to be used in California elementary schools. For information write to Hartley D. Snyder, Head, Music Department. **299**

STANFORD UNIVERSITY, Stanford

Summer Quarter: Eight weeks, June 23 to August 16

Summer Sessions: Four weeks, June 23 to July 19; July 21 to August 16

Tuition and Fees: Full-time (16 quarter units), \$250 per quarter

Half-time (limit 8 quarter units), \$140

Unit basis (graduates only), 3 units for \$65 to 6 units for \$110

Workshops and Institutes: \$35 (2 quarter units); \$50 (3 quarter units); \$65 (4 quarter units); \$155 (9 quarter units)

For information address inquiries to Summer Quarter, Registrar's Office

June 16 to June 20—**TYPEWRITING WORKSHOP** (Ed. 381a, 2 units). This course meets the week before the regular summer session, daily, 9 to 4. Designed for teachers

of typewriting, new techniques will be demonstrated and each participant will have ample opportunity to secure answers to questions about specific classroom problems, as well as to work with the latest equipment and teaching materials. Enrollment is limited. Apply to Fred S. Cook, School of Education. **300**

June 23 to June 27—GENERAL BUSINESS WORKSHOP (Ed. 381b, 2 units). Under the direction of Robert Thompson, this workshop will help both the beginning and experienced teacher to obtain new ideas, materials and techniques for the teaching of general business. Special attention will be given to current materials and available audio-visual aids. For those not desiring credit, the fee is \$25. Apply to Fred S. Cook, School of Education. Daily, 2 to 5, and hours to be arranged. **301**

June 23 to July 3—COLLEGE ADMISSIONS AND GUIDANCE WORKSHOP (Ed. 332w, 4 units). The study of current problems in preparing secondary school students for college and university. Topics will include review of the history of college admission requirements and practices; current college admission procedures; differing practices by various types of collegiate institutions; problems in guiding students to select the proper colleges; admissions with advanced credit and advanced standing; the uses of various aptitude-testing programs; the college preparatory course of study; and the college scholarship service program. Open to counselors, administrators, and teachers doing guidance work. Admission is subject to the approval of the director, and enrollment is limited. Applicants should submit statement of qualification to H. B. McDaniel, School of Education. Daily, 9 to 4. **302**

June 23 to July 3—WORKSHOP IN PHYSICAL EDUCATION. Archery, golf, tennis, diving, swimming, synchronized swimming, and riding (additional fee). Folk and square dancing will be offered in the evenings. Open to men and women; matriculated or non-matriculated students; and to teachers from various fields of interest. The workshop is not limited to physical education teachers. For further information write to the Director of Physical Education for Women. Fee \$10. **303**

June 23 to July 23—WORKSHOP PROGRAM FOR HIGH SCHOOL TEACHERS OF FRENCH, GERMAN, AND SPANISH (maximum, 9 units). Sponsored jointly by the School of Education and the Department of Germanic and Romantic languages, the workshop is designed to meet the needs of teachers who wish to keep abreast of changing techniques in language instruction, and who desire additional work in their major or minor field. Training in the use of the new Stanford language laboratories will be an important part of the workshop program. Admission is restricted to high school teachers with one or more years of successful teaching experience who hold an AB degree and a secondary teaching credential, with a major or minor in French, German, or Spanish. Tuition: \$155. For further information write to Ruth Weir, Room 242-H, Stanford University. **304**

June 23 to July 23—JUNIOR COLLEGE COUNSELING WORKSHOP (Ed. 335w, 9 units). Designed to provide an intensive study of counseling and student personnel work at the junior college level. Topics to be covered include purposes and function of the junior college student personnel program; organizational patterns; relationships with administrative and teaching personnel; major problems of junior college students; group guidance practices; the appraisal program, counseling techniques, research, and evaluation. George J. Faul, Dean of Student Personnel, West Contra Costa Junior College. Daily, 9 to 4. The workshop is limited to experienced junior college personnel. Applications for admission, stating qualifications, should be addressed to H. B. McDaniel, School of Education. **305**

June 23 to August 2—CO-OPERATIVE WORK-EDUCATION (Ed. 481, 6 to 9 units). Through the co-operation of business and industry in the Bay Area, Stanford will offer a work-education program for a select group of business teachers. This program will give the business teacher an opportunity to secure current work experience, plus an understanding of the problems and procedures for developing a program for his own school. Participants will attend seminar sessions for the first week, will be employed for one month (with pay at the prevailing rate), and will return to campus for seminar meetings during the sixth week. Applicants should submit statements of qualifications as early as possible. For further

information, write to Fred S. Cook, School of Education. Hours to be arranged. **306**

June 23 to August 16—SHELL MERIT FELLOWSHIPS FOR HIGH SCHOOL SCIENCE AND MATHEMATICS TEACHERS. A special program for high school science and mathematics teachers offered co-operatively by the School of Education and the Departments of Chemistry, Mathematics, and Physics. Enrollment limited to 50 teachers, living west of the Mississippi River, who are actively engaged in the teaching of high school chemistry, physics, or mathematics. Advance registration is required. Applicants should submit statements of qualifications on approved forms to Paul DeH. Hurd, School of Education. Those selected for the program will receive tuition, board and room in a University dormitory, a travel allowance, and a \$500 stipend. Daily. Field trips to be arranged. **307**

June 23 to August 16—PROGRAM FOR THE TEACHING OF SPANISH IN ELEMENTARY SCHOOLS. The program is sponsored jointly by the Stanford School of Education and the Department of Germanic and Romanic languages. Admission is restricted to teachers and administrators in elementary schools, with one or more years of successful teaching experience, who hold an AB degree and an elementary teaching certificate. For further information write to A. M. Espinosa, Jr., Room 241-H, Stanford University. **308**

June 23 to August 16—ANNUAL HISPANIC AMERICAN INSTITUTE (16 units). The Stanford program of Hispanic American Studies was set up in co-operation with the School of Education. The various courses offered concentrate on contemporary developments in Spanish and Portuguese speaking countries; and offer opportunity to hear and speak Spanish and Portuguese. In addition to regular courses given in Spanish, distinguished visitors from Latin America will address the groups at frequent intervals in Spanish or Portuguese. For further details, write to Hispanic American Studies, Room 255, Stanford University. **309**

June 23 to August 16—STANFORD SUMMER RADIO-TELEVISION INSTITUTE. The Department of Speech and Drama offers a radio-television institute designed specifically for the advanced training of people who are preparing themselves for more responsible positions in the broadcasting and telecasting industry; and for training teachers in the utilization of radio and television programs and techniques for instructional purposes. The problems of television will be given special consideration. Further information may be secured from the Executive Head, Department of Speech and Drama. **310**

June 23 to August 16—ASIATIC AND SLAVIC STUDIES. The Department of Asiatic and Slavic Studies is offering intensive courses in Chinese and Russian languages. These courses cover, in the 10 weeks of the summer session, the same material that would normally be covered in a full academic year. Interested persons should write to the Department of Asiatic and Slavic Studies for further information. **311**

June 23 to August 16—STATE SOCIAL STUDIES FRAMEWORK (Ed. 396 and 397). RECENT DEVELOPMENTS IN SECONDARY SCHOOL SOCIAL STUDIES, and ELEMENTARY SCHOOL SOCIAL STUDIES, two courses offered at the same hour during the eight-week session, will hold a series of joint meetings devoted to a study of the proposed new state social studies curriculum. A report of the conclusions growing out of these sessions will be forwarded to the California State Central Committee on Social Studies. **312**

June 25 to July 9—WORKSHOP IN THE EDUCATION OF THE GIFTED PUPIL IN THE JUNIOR HIGH SCHOOL (Ed. 346w, 4 units). Drawing upon Stanford's leadership in the studies of gifted children, attention will be devoted to planning the most stimulating environment for the development of talent in the junior high school setting. Director of the workshop will be J. Lloyd Trump, Professor of Education, University of Illinois, and director of the new study of the National Association of Secondary School Principals' Commission on the Better Utilization of School Staff. Enrollment is limited. Applicants for admission should write to Robert N. Bush, School of Education, Stanford University. For those who do not wish credit, the fee will be \$50. Daily, 9 to 4. **313**

June 30 through August 8—**ELEMENTARY DEMONSTRATION SCHOOL.** The demonstration school will consist of classes in kindergarten and the elementary grades, serving the professional students and faculty of the School of Education for observation and demonstration of modern theory and practice in elementary education. **314**

June 30 through August 8—**GUIDED OBSERVATION IN THE DEMONSTRATION SCHOOL.** (Ed. 243, 4 units). A special course for selected students who wish to have a more intensive clinical experience in a modern elementary school. Enrollment in this class is limited. Applicants should submit statements of qualifications to Workshop Secretary, School of Education, by June 2. **315**

July 7 to July 18—**GUIDANCE WORKSHOP I** (Ed. 339a, 4 units). A comprehensive review of counseling theory and practice. Emphasis on achieving a practical synthesis among current schools of thought. Full discussion, individual consultation, examination of written material, and individual assistance in developing plans for the task ahead. Open to counselors, administrators, and teachers who have had training and experience in guidance work. Admission subject to approval of the director. Enrollment limited to 35. Applicants should submit statement of qualifications to H. B. McDaniel, School of Education. Daily, 9 to 4. **316**

July 21 to August 15—**GUIDANCE WORKSHOP II** (Ed. 339b, 8 units). Opportunity for professional guidance workers to extend technical skills, analyze current problems, and plan new activities. Extensive and intensive study of guidance practices, counseling techniques, and evaluative research. Open to directors and supervisors of guidance, full-time counselors, and others who have had extensive work in guidance or psychology. Admission is subject to approval of the Director. Enrollment is limited to 35. Applicants should submit statement of qualifications to H. B. McDaniel, School of Education. Daily, 9 to 4. **317**

July 7 to August 3—**CAMPUS WORKSHOP IN ORCHESTRA AND CHAMBER MUSIC.** For junior and senior high school students who have completed at least the eighth grade and are recommended by their local directors. The student's schedule will include: orchestra rehearsals, chamber music, music theory and literature. Students may live in University dormitories and will have access to practice and recreational facilities on the campus. Tuition with board and room, \$200. Tuition only, \$60. For further information, write to the Department of Music. **318**

July 14 to August 6—**SCHOOL BUILDING WORKSHOP** (Ed. 325s, 9 units). Major problems of planning and evaluating the physical facilities for elementary and secondary schools, with particular emphasis on the relationship between the junior college educational program and building program. Outstanding architects will make presentations, and field trips to new school buildings and buildings under construction will be made. Assistance will be provided for individuals who are desirous of working on their own local school building problems. Enrollment is limited to 35. Additional information on content and enrollment procedure can be obtained from James D. MacConnell, School of Education. Daily, 9 to 4. **319**

July 14 to July 18—**PACIFIC COAST ENGLISH CONFERENCE.** The National Council of Teachers of English, the California Association of English Councils, the Department of English, and the School of Education will sponsor a conference for teachers of English. The program will consist of lectures on the development of curriculums for the teaching of English language arts in junior and senior high schools. There will also be small work groups in which the participants will be helped to relate conference presentations to their own teaching and curricular projects. The registration fee for those not taking the conference for credit will be \$10. Tuition for 2 quarter units will be \$35. For information write to the Department of English. **320**

July 21 to July 25—**STANFORD BUSINESS CONFERENCE.** Offered annually for executives of the Pacific Coast region who wish to continue their education in business, the conference includes a week's session of morning lectures, afternoon round tables, and dinner meetings with prominent speakers. Further information on the conference is available from the Acting Dean of the School. **321**

July 21 to August 8—SCHOOL ADMINISTRATORS' WORKSHOP (Ed. 422w, 6 units). Designed primarily for younger or less experienced administrators, the workshop will provide the participants with an introduction to the functions, responsibilities, and problems of central office general administration as a means of preparing them for more advanced positions of educational leadership. Emphasis will be placed on the contributions of the social sciences to the theory and practice of administration and the results of research conducted both at Stanford and elsewhere under the auspices of the Co-operative Program in Educational Administration. Participants will have an opportunity to attend sessions of the School Building Workshop and Institute, and School Administrators' Clinic which will meet during the course of the administrators' workshop. Hollis A. Moore, Jr., Executive Secretary of the Committee for Advancement of School Administration, American Association of School Administrators, will be co-director of the workshop. Approximately 20 administrators will be invited to participate. The fee for those who do not desire credit will be \$70. Inquiries may be addressed to William R. Odell, School of Education. Daily, 9 to 4. **322**

July 28 to August 1—SCHOOL BUILDING INSTITUTE (Ed. 228, 2 units). Planning and evaluating the physical facilities for junior colleges and institutions of higher learning, under the direction of James D. MacConnell. For school administrators, architects, superintendents of physical plants, supervisors, teachers, and representatives of manufacturers of school equipment. Emphasis will be placed on co-operative planning endeavors among all planning personnel, including educational, technical, and other key groups. There will be a \$25 fee for those not desiring credit. Apply to James D. MacConnell, School of Education. Daily, 9 to 4. **323**

July 28 to August 1—SCHOOL ADMINISTRATORS' CLINIC (Ed. 422c, 2 units). Key public school administrators, chiefly superintendents from the western states, will participate in this clinic on the Stanford campus. Problems selected by the participants will be explored. Although the clinic will be invitational, any interested administrator may apply directly to William R. Odell, School of Education. The registration fee for participants who do not wish credit will be \$25. Daily, 9 to 4. **324**

July 28 through September 4—OREGON SHAKESPEAREAN FESTIVAL—RENAISSANCE INSTITUTE. The plays to be presented are: *Much Ado About Nothing*, *King Lear*, *The Merchant of Venice*, and *Troilus and Cressida*. Under the direction of James Sandoe of the University of Colorado, and Robert B. Loper, Staff Director of the Stanford University Drama Department, the plays produced in 1958 will feature a talented company of players drawn from all over the United States. College credit is granted by Stanford University and Southern Oregon College, which schedule field courses in humanities through the Institute. Students may register for summer credit only, or for units toward the B.A. or M.A. The Institute gives its own certificate to those who do not wish credit, and accepts full-term auditors. Inquiries and applications should be addressed to Renaissance Institute, Box 27, Ashland, Oregon, or to Robert B. Loper, Stanford University. **325**

August 4 to August 15—WORKSHOP IN INTERGROUP EDUCATION (Ed. 211w, 4 units). Designed to explore the research, curriculum, and materials in intergroup education. Open to community leaders, school administrators, and teachers with prior experience in intergroup work or the equivalent in human relations activities. This workshop will have scholarship participants sponsored by the National Conference of Christians and Jews. The director will be Herbert L. Seamans, Consultant in Human Relations, University of Miami, formerly Director of the Commission on Education, National Conference of Christians and Jews. Marie Fielder, Assistant Professor of Education, San Francisco State College, and John Robinson, Associate Professor of Education, San Francisco State College, will serve as staff members. Enrollment is limited. Applicants should submit statements of qualifications to the Workshop Secretary, School of Education, by June 16. Daily, 9 to 4. **326**

August 18 to August 29—DRIVER EDUCATION WORKSHOP (Ed. H387, 4 units). Designed to prepare secondary school teachers to assume increasing responsibility

in driver instruction. The nature of traffic accident problems, organization and administration of school driver instruction programs; and methods and materials in driver instruction will be considered. Open to secondary school teachers and administrators with responsibility for driver instruction. Scholarships under the sponsorship of the Allstate Foundation are available to qualified candidates. Admission is subject to approval by the director. Applications for admission and for scholarships should be submitted to the Director, Driver Education Workshop, School of Education. Daily, 9 to 4. 327

UNIVERSITY OF CALIFORNIA, School of Education, Berkeley

First Summer Session: Six Weeks, June 16 to July 26

Second Summer Session: Six Weeks, July 28 to September 6

Fees: \$65 per session

Gerald E. Marsh, Director of Summer Sessions

June 16 to July 26—DEMONSTRATION ELEMENTARY SCHOOL. Daily, Monday through Friday 9 to 12. Groups of children, kindergarten through grade six, will be working at the school. Children not now in kindergarten who will be 5½ years old by July 1, will be accepted in kindergarten. Through the courtesy of the Berkeley Unified School District, the demonstration school will be housed in the Whittier-University Elementary School, a short distance from the campus at Virginia and Milvia streets.

The school will offer daily demonstrations of modern elementary school learning situations and will be open to summer session students, especially those enrolled in courses in elementary education. In most cases observers will be scheduled through their classes in education, but persons not enrolled in the summer sessions may visit the school by arrangement with the school office upon payment of \$1 for each visit.

Emphasis will be placed on a sound educational program. Considerable attention will be given to creative activities—art, music, physical education, dramatics, choral reading, rhythmic activities, games, etc. The program serves to enrich the interests and skills of pupils in attendance.

The school enrolls children who live in the Bay Area and who come to the campus with their families for the summer, in order of receipt of application. Since the program is not of a remedial nature, it is not possible to accept applications from those children who have special school problems.

Enrollment is limited to 30 students in each class. Application for admission should be made well in advance of the opening date of the school and directed to the Office of the Demonstration Elementary School, Whittier-University Elementary School, Virginia and Milvia streets, Berkeley 9. The fee is \$30 for the six weeks session, \$5 of which is payable at the time application is made. Checks should be made payable to The Regents of the University of California.

Children may remain on the school playground in the afternoon under the direction of a supervisor who is provided by the Berkeley Recreation Department. 328

June 23 to August 15—DEMONSTRATION SECONDARY SCHOOL. Through the courtesy of the Oakland Unified School District the demonstration secondary school will be open from 7:50 to 2:30, daily. Work in grades seven to twelve will be given. The school is housed in the Oakland Technical High School building at Broadway and Forty-third street, in Oakland. Transportation is available on busses numbered 51, 52, 58 going from Berkeley, and on bus numbered 51 coming from the main business section of Oakland. Classes will be open for observation by students regularly enrolled in summer session courses. Persons not enrolled in the summer sessions may visit the school upon payment of \$1 for each visit.

Junior high school and senior high school students will be received from any school district, but it is necessary to arrange with the home school before entrance if credit for high school graduation is desired. Students may obtain semester credit for not more than three subjects. In addition to the usual academic courses,

reading improvement, corrective composition, general mathematics, arts and crafts, household arts, folk and social dancing, and vocal and instrumental music will be offered.

Enrollment should be made by advance application to the principal, Karl Schevill, 225 Building T-8, University of California, Berkeley 4, California. Students may register and pay fees at Oakland Technical High School on Friday, June 20, from 8 to 4, and on Saturday, June 21, from 8 to 12. The fee, which is \$20 for each course, must be paid on registration day. Checks should be made payable to The Regents of the University of California. **329**

July 29 to September 4—CHILDREN'S RECREATION SCHOOL. Daily, 9 to 12, in the Gymnasium for Men, Bancroft and Dana Street. The Department of Physical Education has made available its fields, gymnasium, and swimming pools for the purpose of offering a systematic program of instruction in recreational activities to children from 8 to 13 years of age. The activities proposed are as follows:

For Girls: swimming, dancing, archery, games, tennis, and handicraft.

For Boys: swimming, tumbling, archery, field sports, tennis, and handicraft.

Enrollment is limited. Applications received after the limit has been reached will be filed in the order of their receipt and will constitute a waiting list. Requests for application must be made in writing as early as possible.

A fee of \$40 will be charged for each child. A deposit of \$15 is required at the time the application card is filed. The application cards are to be sent to the Cashier's Office, Room 107, Administration Building, University of California, Berkeley 4, accompanied by a money order or check for \$15 (checks should be made payable to The Regents of the University of California). This deposit will not be refunded upon withdrawal. The balance of \$25 must be paid on Monday, July 28, during the hours of 9 to 4, at the above specified office. The fee receipt is then to be presented at Room 197, Gymnasium for Men. Payment of the deposit reserves a place for the child's enrollment only up to Tuesday, July 29. Classes will begin on Tuesday, July 29, at 9.

Each child must have a medical examination within four days of the opening of the school. Parents are urged to make appointments for the examinations as soon as the applications are accepted. **330**

June 16 to July 26—EAST ASIA STUDIES. Courses on art, economics, languages, and history of East Asia have been planned for the First Summer Session to make available to secondary teachers vital concepts and conclusions generally accepted by experts on the Far East. In content, these courses will combine factual information about the various countries with a consideration of the traditions and values by which the thinking and attitudes of the peoples are molded. In method, the courses will include lectures, reports, discussions, and films. The instructors in art and history will be aided in their plans by a specialist in secondary education. In offering courses on the Far East especially designed for secondary teachers, the University of California is one of several major educational institutions to take the lead in meeting the growing interest and need for programs of this nature.

The following courses are being offered in East Asia studies:

PRINCIPLES OF CHINESE PAINTING (Art 165, Tseng).

CHINESE PAINTING OF THE LAST THREE CENTURIES (Art 166, Tseng).

ECONOMIC DEVELOPMENT AND PROBLEMS OF THE FAR EAST (Economics S115, Li).

HISTORY AND CIVILIZATION OF THE FAR EAST (History 191D, Conroy).

SEMINAR IN THE HISTORY AND CIVILIZATION OF THE FAR EAST (History 291D, Conroy, Heinz).

ELEMENTARY CONVERSATIONAL JAPANESE (Oriental Languages 20, Nakamura).

CIVILIZATION OF EASTERN ASIA: CHINA (Oriental Languages S142C, Schafer).

CIVILIZATION OF EASTERN ASIA: KOREA (Oriental Languages S142K, Rogers).

CHINESE AND JAPANESE CULTURES (Oriental Languages 161, Rogers, Nakamura).

Address inquiries to the Director of Summer Sessions. **331**

June 16 to July 26—ELEMENTARY EDUCATION WORKSHOPS (133, 133A, 133G, and 133S, 2 units each). A study of problems in elementary education by means of

group discussions, meetings, individual conferences, participation in creative activities and observation in the elementary demonstration school. Opportunities for specialization in the preparation of curricular material. Emphasis upon the solution of individual problems brought to the workshop by participating teachers, superintendents, and elementary principals. Enrollment limited.

WORKSHOP IN ARITHMETIC (133A) M.W.F., 10 to 12, Enoch Dumas.

WORKSHOP IN SOCIAL STUDIES (133G) M.W.F., 1 to 3, John U. Michaelis.

WORKSHOP IN SCIENCE (133S) M.W.F., 8 to 10, Donald R. Pagano. **332**

June 16 to July 26—WORK EXPERIENCE PROGRAMS IN BUSINESS EDUCATION (161C, 2 units). Work experience programs in merchandising, secretarial and clerical fields; objectives of co-operative training; promoting and establishing training programs; selection and placement of students; relations with co-operating business firms; organization of instructional material; problems of co-ordination, supervision, and evaluation. Open to teachers of business subjects and to others, on approval of the instructor. Dwight R. Crum, M.W., 7 to 9:30 p.m. **333**

June 16 to July 26—TECHNIQUES AND MATERIALS IN THE TEACHING OF MERCHANDISING COURSES (161T, 2 units). A study of methods and content used in teaching classes in merchandising. Techniques of job analysis for building course content; lesson plans; techniques of presentation. Open to teachers of merchandising, retailing, salesmanship, advertising, general business, and to other persons with consent of the instructor. Dwight R. Crum, Tu.Th., 7 to 9:30 p.m. **334**

UNIVERSITY OF CALIFORNIA, Davis

Special Summer Session: June 30 to August 9

Regular Summer Sessions: First Summer Session, June 16 to July 26

Second Summer Session, July 28 to

September 6

S. S. Sutherland, *Chairman, Department of Education, in charge*

(Address inquiries to Howard B. Shontz, *Registrar, Davis Campus*)

The special summer session is designed to provide upper division and graduate courses in agriculture and education for agricultural students, vocational agricultural teachers, and agricultural extension personnel who wish to keep abreast of developments in their fields and to progress toward degree objectives. Courses to be featured include the following:

June 30 to August 9—SEMINAR IN VOCATIONAL EDUCATION (Ed. S260, 2 units). Walter Bjoraker. **335**

June 30 to August 9—GROUP LEADERSHIP AND GROUP DYNAMICS (Ed. S198, 2 units). For advanced students. Walter Bjoraker. **336**

UNIVERSITY OF CALIFORNIA, 405 Hilgard Avenue, Los Angeles

Summer Sessions: Six Weeks Session, June 23 to August 1

Eight Weeks Session, June 23 to August 15

Fees: Six weeks, \$66; eight weeks, \$86

Charles Speroni, *Director of Summer Sessions*

June 23 to August 1—SPECIAL COURSES IN SCIENCE AND MATHEMATICS. To further the purpose of assisting in the maintenance of scientific, and technical leadership by this country the University of California, Los Angeles, is offering special graduate courses in chemistry, life sciences, mathematics and physics, designed primarily for high school teachers.

A program of grant-in-aid stipends may be provided for teachers who take these courses. For details of this program address Director of Summer Sessions, University of California, Los Angeles 24. **337**

June 23 to August 1—METHODS OF TEACHING GENERAL BUSINESS AND MERCHANDISING (S370, 2 units). A study of the devices, methods, and materials used in teaching general business and merchandising subjects. Emphasis placed on study of correct practices, objectives, teaching aids, testing, and evaluation of instructional materials. Richard S. Perry. Daily, 8. **338**

June 23 to August 1—METHODS OF TEACHING OFFICE PRACTICE (370D, 2 units). The methods, course content, and materials used in teaching of office practice at secondary and collegiate levels. Organization of laboratories and development of standards, instruction sheets, objectives, teaching aids, and courses of study included. Prerequisite: course 112 or equivalent. Mrs. Lucille P. Irvine. Daily, 10. **339**

June 23 to August 1—SUMMER FIELD COURSE IN BOTANY (S150, 3 units). Classification and interrelationship of native and ornamental plants. Lectures, M.W.F., 1 to 2; Laboratory, M.W.F., 2 to 5; and field trips to be arranged. **340**

June 23 to August 1—FUNDAMENTAL MATHEMATICAL CONCEPTS (270, 3 units). This course is designed primarily for high school teachers of mathematics. A limited number of stipends are available for teachers taking the course. For further information address Director of Summer Sessions. It may be necessary to limit enrollment in this course, therefore, it is advisable to apply for admission early.

Number concepts, congruences, fields, groups, determinants and matrices, and other topics which will be of value to the teacher of secondary mathematics. Consent of the instructor is necessary.

Section 1: Daily (additional hours to be arranged). Phillip S. Jones

Section 2: Daily (additional hours to be arranged). L. Clark Lay

The student will be placed in either section 1, or 2 depending on his preparation in mathematics. **341**

June 23 to August 1—MODERN ASPECTS OF CHEMISTRY AND CHEMICAL EDUCATION (270, 4 units). This course is designed primarily for high school teachers of science. A limited number of stipends may be available for teachers taking this course. For further information address Director of Summer Sessions.

A course for teachers in the secondary schools interested in the improvement of teaching in chemistry. A student-staff examination and appraisal of the principles covered in secondary school courses in chemistry. Recent developments in major fields of chemistry will be covered by investigators currently active in those areas. Laboratory work will be selected to meet individual needs. As it may be necessary to limit enrollment it is advisable to apply for admission to this course early. Lecture and laboratory. Daily, 1, 2, 3. **342**

June 23 to August 1—DEMONSTRATION OF FUNDAMENTAL PHYSICAL PRINCIPLES: FRONTIERS OF PHYSICS (270a and b, 2 units). This course and its companion course, 270C, are designed for teachers of science in the secondary schools. A limited number of stipends may be available for teachers taking this course. For further information address Director of Summer Sessions.

(a) Demonstration of Fundamental Physical Principles: A series of lectures in which a sequence of significant demonstrations will be presented, selected for their value in making clear certain fundamental principles of physics in a thought-provoking way. The demonstrations will be accompanied by carefully reasoned and presented portions of fundamental physics. The demonstrations' connection with and place in the total pattern of classical physics will be indicated—also their contribution to the new physics—the Frontiers of Physics discussed in the special lectures. Lectures, M.Tu.Th., 11:15 to 12:30.

(b) Special Lectures—Frontiers of Physics: Each lecture will be given by an authority in his field, presenting a concise summary of the most recent work in a specific area of pure or applied physics, such as quantum mechanics, optics and spectroscopy, acoustics, nuclear physics, geophysics, and meteorology. Lecture, W., 11. Consent of the instructor necessary. **343**

June 23 to August 1—DEMONSTRATION LABORATORY (270, 2 units). Because of limited facilities, enrollment in this course will be limited and qualifications of applicants will be considered carefully in determining acceptance.

Methods of constructing demonstration apparatus will be given in this laboratory. The students may actually build demonstration equipment under the supervision of the instructors listed, a laboratory assistant, and trained shop personnel. Only a limited number of pieces will be constructed by each individual, but the methods will be mastered for designing and building simple, but accurate, demonstration equipment, on restricted budgets. Each student will spend 12 hours a week in the laboratory, scheduled individually to suit room capacity and the student's schedule. Consent of instructor necessary. Julius S. Miller, Mrs. Margaret Lehman, and staff. **344**

June 23 to August 1—MODERN ASPECTS OF BIOLOGY AND LIFE SCIENCES EDUCATION (270, 4 units). This course is designed primarily for high school teachers of science. A limited number of stipends may be available for teachers taking the course. For further information address Director of Summer Session.

A course for secondary school teachers interested in improvement of the teaching of the life sciences. A review of the basic principles and a student-staff discussion of significant recent developments in the fields of structure, function, development, inheritance, adaptation, and evolutions of plants and animals and their relationships to man, including a re-evaluation of the place of these developments in secondary school courses in biology. Permission of instructor required.

As it may be necessary to limit enrollment in this course it is advisable to apply for admission as early as possible. Waldo H. Ferguson and Henry J. Thompson. Daily, 1, lecture; 2 to 5, laboratory. **345**

June 23 to August 1—TELEVISION WORKSHOP (S139A-B, 4 units). Study of the techniques and tools of live television production. Practice in the preparation and production of many types of television programs with emphasis on the dramatic. Experience in the use of cameras, lights, visual materials, music, and live sound with special attention to the skills of television directing. Rudolph Bretz, Arthur Friedman, and Roger Kay. Daily, 1 to 5. **346**

June 23 to August 15—SUPERVISION OF THE PROGRAM IN THE ELEMENTARY SCHOOL (132, 4 units). For principals, general supervisors, supervisors of student teachers, and classroom teachers interested in supervision. Guided observations in the demonstration school; actual practice in the use of supervisory techniques with group evaluation; practice in critical analysis of learning experiences; study of needs of teachers and student teachers and the planning of ways and means of satisfying these. Prerequisite: course 131A or equivalent. Phillip Lambert. Tu.Th., 2 to 4; observation, 9 and 10 daily in the demonstration school. **347**

June 23 to August 15—THE TEACHING OF READING IN THE ELEMENTARY SCHOOL (134, 3 units). Comprehensive consideration of problems of curriculum, materials, and methods of reading instruction; readiness, word recognition, beginning reading, advanced reading, vocabulary growth, diagnostic and remedial measures, problems of bilingual and mentally retarded pupils and other related topics. John A. Hockett. Daily, 10. **348**

June 30 to August 8—ELEMENTARY DEMONSTRATION SCHOOL. The demonstration school will comprise a complete elementary school unit, nursery school through the sixth grade. The nursery school is in session from 9 to 12:30. The hours for the kindergarten and grades one to six are 9 to 12. Classes will be open for observation by summer session students, especially those enrolled in related courses. Visitors may purchase single admission tickets from the school office. Students in the following courses are expected to observe in the demonstration school as a part of the course requirements: Education S110, S111, 131A, 131B, 132, 134, S139, S194, Art S330, Music S330, Physical Education S330.

The work of each grade is planned to illustrate how an integrated unit of work in social studies utilizes curriculum materials from several subject-matter fields. Observation and discussion will be centered upon the objectives, procedures, and outcomes of the activity approach to education. Basic principles of teaching and learning will be stressed.

Since enrollment in the school is limited, application should be made in advance, and should be submitted not later than June 1 to Phillip Lambert, Principal of the University Demonstration School. The fees for the six-week period

are as follows: nursery school, \$75; kindergarten and grades one through six, \$35. Fees should be paid as soon as applications have been accepted. Checks should be made payable to The Regents of the University of California. **349**

June 23 to August 1—CLINIC SCHOOL. The clinic school conducts a summer session remedial program for children, adolescents, and young adults of normal intelligence who have difficulty with reading, spelling, mathematics, and other school subjects. A diagnostic evaluation will be made as a basis for planning remedial programs to meet the needs of such students. Special tutoring sessions will be scheduled during the summer session as well as during the regular school year.

The clinic school, under the direction of James C. Coleman, will be conducted in connection with Psychology courses 167A-B (Remedial Techniques in Basic School Subjects). Opportunity will be given to all members of the 167B class to do supervised work in the clinic school. Daily, 9 to 12.

Applications for enrollment of students should be accompanied by school records and any available medical and psychological test data.

The tuition fee for enrollment in regular clinic school classwork for the six-week Summer Session is \$100, payable on or before registration day, June 30, 1958. **350**

UNIVERSITY OF CALIFORNIA, Santa Barbara College, Goleta

Summer Session: June 23 to August 1

Fee: \$65, regardless of the number of units undertaken

Elmer R. Noble, *Acting Provost, in charge*

Address inquiries to Registrar

June 23 to July 11—ADVANCED CURRICULUM DEVELOPMENT (Social Studies, Ed. 239A, 3 units). Offered in conjunction with the state-wide social studies project, this course stresses the scope and sequence of content and method in the social studies, kindergarten through grade fourteen. Opportunity for individual and group work on the teaching of social studies in various types of school systems. Findings of the social studies workshops held throughout the state last summer, and material from the California State Central Committee on Social Studies will be used. A. R. Buchanan, J. S. Carroll, G. W. Durflinger, M. J. Homfeld, and F. B. Lindsay. For additional information write to G. W. Durflinger, Chairman, Department of Education. **351**

July 14 through August 1—SCIENCE AND MATHEMATICS SEMINAR (Adv. Curriculum Development—Sci. and Math., Ed. 239B, 3 units). Developed in co-operation with groups seeking improvement of teaching and curriculum in science and mathematics, grades one through fourteen. Prime emphasis on scope and sequence of content and method. Prepared in consultation with the National Science Foundation, National Science Teachers Association, National Council of Teachers of Mathematics, and the California Conference on Science and Mathematics in the Public Schools. Intensive discussions of problems of teaching science and mathematics in various types of school systems. Extensive state and national curricular material available. J. S. Carroll, G. W. Durflinger, E. A. Larson, F. B. Lindsay, and D. M. Merriell. In attendance during the first week, W. C. Kelly, Director, American Institute of Physics. For additional information write to G. W. Durflinger, Chairman, Department of Education. **352**

June 23 through August 1—DEMONSTRATION SCHOOL. Designed to demonstrate the best practices in kindergarten, primary, and intermediate procedure, and to show how remedial work may be carried on by the regular classroom teacher under normal conditions. Classes: kindergarten and grades one to six, and a special remedial class for children of normal intelligence with difficulties in the basic school subjects. Special fees: \$20 per pupil, payable on registration at Adams School, Santa Barbara, June 14, 1958. No additional charge for summer session students who observe the demonstrations. For additional information write to G. W. Durflinger, Department of Education. **353**

August 4 through August 16—**SANTA BARBARA INSTITUTE OF NATURE STUDY AND CONSERVATION** (X180AB-CD-EF, 2 units each course). A field course offering nature study subjects applicable to the classroom. Special fees: \$35, payable to the University of California Extension, 129 East Carrillo Street, Santa Barbara.

354

July 17 through July 26—**WORKSHOPS ON ADULT EDUCATION**. For additional information write to Stanley E. Swoeder, Chief, Bureau of Adult Education, California State Department of Education, 721 Capitol Avenue, Sacramento 14, California.

355

June 23 through July 3—**CHILD DEVELOPMENT** (Ed. H196A, 2 units).

July 7 through July 18—**CLOTHING AND TEXTILES** (Ed. H196B, 2 units).

July 21 through August 1—**FOODS AND NUTRITION** (Ed. H196O, 2 units).

Recent developments in home economics teaching procedures. Intensive short-term offerings in new methods of organization, presentation, and evaluation for the homemaking teacher. Mrs. Charlene D. Palmer. For additional information write to Mrs. L. A. Hunt, Chairman, Department of Home Economics.

356

June 23 through July 11—**ADVANCED AUTOMOTIVE WORK** (Ind. arts 132A, 3 units). William La Porte.

ADVANCED ELECTRICAL LABORATORY WORK (Ind. arts 152B, 3 units). R. L. Woodward.

MODERN CRAFTS WORKSHOP (Ind. arts 172C, 3 units). Ralph Nair.

ORGANIZATION, OBJECTIVES AND SUPERVISION OF INSTRUCTION IN INDUSTRIAL ARTS EDUCATION (Ind. arts 195A, 3 units). J. L. Goldsmith.

Short-term intensive courses in industrial arts credentialing areas. For further information write to Kermit Seefeld, Chairman, Department of Industrial Arts.

July 14 through August 1—**PRINTING PLANT MANAGEMENT** (Graphic Arts 180B, 3 units). R. E. Sundin.

DESIGN AND DEVELOPMENT OF CONTEMPORARY FURNITURE (Ind. arts 114, 3 units). J. Rathbun.

ART METALWORK (Ind. arts 127A, 3 units). Ralph Nair.

357

PROBLEMS OF SUPERVISION IN INDUSTRIAL ARTS EDUCATION (Ind. arts 195B, 3 units). G. D. Warrick.

Short-term intensive courses in industrial arts credentialing areas. For information write to Kermit Seefeld, Chairman, Department of Industrial Arts.

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UNIVERSITY OF REDLANDS, Redlands

First Summer Session: June 23 to July 25

Second Summer Session: July 28 to August 29

Fees: \$20 per semester unit; registration \$5

Vernon O. Tolle, *Director of Summer Sessions*

June 23 to July 25—**DEMONSTRATION ELEMENTARY SCHOOL**. For the sixteenth consecutive summer the demonstration school will provide opportunity for observation of modern teaching techniques in kindergarten and grades one to six, and for discussion of observed procedures with the teachers. Various summer courses will be correlated closely with the demonstration school program. College students who may wish to enroll their own children in the school should send their applications to Vernon O. Tolle, not later than June 1.

359

June 23 to July 25—**STUDENT TEACHING** (Ed. 309S, High School, 3 units).

360

July 7 to July 25, July 28 to August 8—**WORKSHOPS ON TEACHING SCIENCE IN THE ELEMENTARY SCHOOL** (Ed. 138A, 2 or 3 units; 138B, 2 units). Covers both natural and physical science. Suggestions for utilizing science materials brought into the classroom by pupils, and for incorporating science into social studies units; collection and care of living plants and animals; arrangement and display; making simple equipment; and demonstration of simple scientific facts. Offered during last three weeks of first session, repeated first two weeks of second session. Wallace T. Stoebe.

361

July 28 to August 8—WORKSHOP IN AUDIO-VISUAL EDUCATION (Ed. 189, 2 units). Theory, demonstration, and practice; development of technical skill, understanding of classroom applications of audio-visual methods and technical skill in specific grades and subjects; presentation of a culminating activity or project in demonstration of competence in planning, organization, execution, and evaluation in this area. Open only to students who are classroom teachers or who will teach in 1958-59. Arthur G. Hoff. **362**

June 23 to July 5—WORKSHOP IN SOCIAL STUDIES (Ed. 175b, 2 units). This is a continuation of the workshop held during the summer of 1957 and is one of 21 workshops sponsored by the California State Central Committee on Social Studies in co-operation with colleges and universities in California. Special emphasis will be on processes of structuring the social studies; unit developments as tentative guides for social studies at the various grade levels; and critical analyses of recommendations outlined by the State Central Committee.

Conclusions reached in this discussion by teachers, supervisors, and administrators regarding the above mentioned phases of the social studies program will be reported to the State Central Committee.

Kenneth P. Bailey, Principal, Pacific High School, San Bernardino, will be in charge of this workshop. Mrs. Afton D. Nance, Consultant in Elementary Education, State Department of Education, will be consultant. Other consultants will be invited to participate. Inquiries should be directed to Dr. Bailey. **363**

June 23 to July 25—THE IMPROVEMENT OF READING (Ed. 185, 2 units). This class is open only to teachers with experience in the teaching of reading. Each student, as part of the course, will be expected to study and work with a child who is not reading up to his capacity. This child may be one in the student's own school or neighborhood, or one brought to the class for help by parents. Class discussions will include a pooling of the experiences with these reading cases. Emphasis will be on the cause, prevention, and corrective practices connected with reading difficulties. Mrs. Alice G. Krehbiel, Consultant in Curriculum, and Co-ordinator of Reading and Health Education, Office of County Superintendent of Schools, San Bernardino County. Daily, 9:20. **364**

June 23 to July 25—INSTITUTIONAL PUBLICITY (Eng. 107, 2 units). Seminars, student projects, and visiting lecturers will be used in this course to assist all who are in need of developing publicity programs in schools, organizations, churches, and the like. A thorough survey will be made of communications media. Projects will deal with writing and designing publicity for folders, brochures, newspapers, house organs, programs, booklets, and letter campaigns. Lewis J. Barrett, Director of Public Relations, and adviser on publications. **365**

June 23 to July 27—RELIGIOUS DRAMA WORKSHOP (Speech 170, 70, 6 units). This workshop is designed to train professional and lay workers to produce plays of high standards, and to organize and supervise drama programs in churches. The course will include directing, acting, organization and practical experience through participation in plays, at summer church camps, churches, and the like, including Redlands Bowl. This program is sponsored by the National Council of Churches and the Southern California Council of Churches. Sebert Johnson. **366**

August 14 and 15—CONFERENCE OF SCHOOL ADMINISTRATORS, SUPERVISORS, AND SCHOOL BOARD MEMBERS. For the eleventh consecutive year the regular two-day conference for school administrators, supervisors, and school board members, will be held at the University of Redlands on Thursday and Friday, August 14 and 15.

C. C. Trillingham, County Superintendent of Schools, Los Angeles County; and President, American Association of School Administrators, will be the featured speaker. Pertinent current problems of school administrators and school board members will be discussed.

The conference is sponsored jointly by the School of Education, University of Redlands, Section 2 of the California Association of School Administrators, and Beta Xi Field Chapter, Phi Delta Kappa.

There is no registration fee for this conference, and lodging will be provided at a nominal fee for those who desire it. All interested persons, including summer

session students are cordially invited to attend. Frank E. Bishop, Professor of Education, University of Redlands, will direct the conference. Further inquiries should be directed to Dr. Bishop. **367**

UNIVERSITY OF SAN FRANCISCO, San Francisco

Summer Session: June 23 to August 1

Fees: \$12 per semester unit

John M. Hynes, S. J., Director

June 23 to July 11—SPECIAL COURSE IN STORYTELLING (Ed. English S133, 3 units).

This course will cover the literature of storytelling with special emphasis on folklore and mythology; instruction on how to prepare stories for telling and how to tell them; the planning of story hour programs; and actual experience in telling stories. The aim of the course is to demonstrate through lecture and student participation that storytelling is an art which can be easily developed. Tuition \$39. Registration limited to 25. Offered by Doris Gates, well-known children's author, librarian, editor, and lecturer. 1 to 3:30. **368**

June 23 to July 11—July 14 to August 1—TWO WORKSHOPS ON PLAY PRODUCTION (Ed. or Speech S49 a-b, S149 a-b, 3 units each). The workshops are being conducted to provide an opportunity for students of the theater to develop their abilities through supervised work on actual play productions. The programs are designed to aid persons who desire to learn theater techniques. All methods will be pointed toward the achieving of dramatic unity through co-ordination of production areas. Tuition \$39 for each workshop. **369**

June 30 to July 11—LIBRARY WORKSHOP: THE LIBRARY BOOK IN FOCUS (Lib. S126, 3-4 units). The purpose of this workshop will be to present all aspects of book production by bringing the foremost editors and illustrators of books for children and young adults together with librarians and teachers to discuss and work out mutual problems. This is the fourth library workshop conducted by Margaret V. Girdner, Director of Bureau of Texts and Libraries, San Francisco Unified School District. Tuition \$39-\$51. Registration limited. 9 to 3:30. **370**

July 14 to August 1—SPECIAL COURSE IN METHODS OF TEACHING ENGLISH IN JUNIOR AND SENIOR HIGH SCHOOLS (Ed. S370.2, 3 units). This course is designed to help all teachers of English. Attention will be given to handwriting, punctuation, spelling, journalism, dramatics, and evaluation of all aspects of the English program. Walter D. Loban, Associate Professor of Education and Supervisor of the Teaching of English, University of California, Berkeley. Tuition \$39. 1 to 3:30. **371**

July 14 to July 18—WORKSHOP ON TEACHING OF ELEMENTARY SCIENCE (Ed. S138.5, 1 unit). Offered by Sister Aquinas, Science Supervisor, Green Bay, Wisconsin; organizer of the Aviation Clubs of America; and recipient, in 1957, of a citation from the United States Armed Forces for her contribution to American aviation. Sister Aquinas is the principal author of the "Christian Social Living Science Series." **372**

(Not Scheduled)—HISTORY OF SAN FRANCISCO (His. S137a). This course, which deals with the factors which have contributed to the rise of San Francisco from a Spanish settlement to a modern metropolis, should prove of special interest to teachers in San Francisco and Northern California. Offered only occasionally, it will be taught by John McGloin, S.J., who originated this course in local history in 1950. **373**

SPECIAL COURSE IN ELEMENTARY CONCEPTS OF MODERN MATHEMATICS (3 units). For the benefit of high school mathematics teachers and candidates for the General Secondary Teaching Credential, the Department of Mathematics of the University will offer a course (Mathematics 15A), on the elementary concepts of modern algebra. A companion course (Mathematics 15B), on the elementary concepts of modern geometry will be offered in the summer of 1959. The courses

will deal with the unifying structural concepts which have characterized the mathematics of the present century.

Educators and scientists are urging a revision of the outmoded high school mathematics curriculum. They feel that the introduction of modern concepts of mathematics will revitalize and simplify the present high school curriculum. Hence, the three-fold purpose of the course will be: (1) to afford teachers the opportunity to become acquainted with modern mathematics in a course especially designed for them; (2) to strengthen the teacher's capacity to motivate his students toward careers in mathematics and science; and (3) to provide an opportunity for the discussion of methods of introducing modern material into the present curriculum.

There are no formal prerequisites for the course. However, a familiarity with the material currently contained in high school mathematics courses will be assumed. The course will be conducted by John E. Fischer, S.J., Chairman of the Department of Mathematics, University of San Francisco, and Irving Sussman, Chairman of the Department of Mathematics of the University of Santa Clara.

374

UNIVERSITY OF SOUTHERN CALIFORNIA

University Park, Los Angeles

Summer Session: June 23 to August 2

Postsession: August 4 to August 30

Fee: \$21 per unit; \$19 per unit for teachers, ministers, and librarians, who take 4 or more units

John D. Cooke, Dean of Summer Session

June 23 to August 2—**CINEMA WORKSHOP** (481abL, 2-2 units). Practical experience in all phases of motion picture production. Primarily for nonmajors. Address inquiries to Robert O. Hall, Cinema Department. Daily, 1:15 to 4:15. **375**

June 23 to August 2—**ART WORKSHOP FOR ELEMENTARY TEACHERS II** (511, 2 units). Advanced research in individual and group art study projects. Julius Heller. M.W.Th.F., 9 to 10:53. Address inquiries to Donald Goodall, Fine Arts Department. **376**

June 23 to August 2—**DENTAL HEALTH EDUCATION WORKSHOP** (400, 3 units). History and philosophy of dentistry, principal dental diseases and fundamental factors associated with dental health. Designed to prepare the school teacher for dental health instruction. Prerequisite: elementary teaching credential. Address inquiries to Lucien A. Bavetta, School of Dentistry. Daily, 10:30 to 11:53. **377**

August 18 to August 29—**SEMINAR IN DRIVER EDUCATION** (532, 2 to 4 units). Objectives of driver education and training; the instructional program; tests and supplementary materials. M. K. Strasser. Daily, 8 to 12. Address inquiries to John D. Cooke, Dean of Summer Session. **378**

June 23 to August 2—**WORKSHOP IN DRIVER EDUCATION** (536, 4 units). Evaluation of source materials in driver education; development of teaching methods; program planning. Eight hours of practical experience in training a nondriver. Prerequisite: 411ab. C. G. Zaun. Daily, 1:15 to 4:08. Address inquiries to John D. Cooke, Dean of Summer Session. **379**

June 23 to August 2—**WORKSHOP IN SOCIAL STUDIES CURRICULUM** (527, 3 units). Co-operative workshop with the State Department of Education to study proposals and recommendations for upgrading of social studies teaching as an area of public school curriculum. Norman Wampler. Daily, 10 to 11:20. Address inquiries to Irving R. Melbo, Dean, School of Education. **380**

June 23 to August 2—**CURRICULUM WORKSHOP IN SCIENCE FOR ELEMENTARY TEACHERS** (517, 3 units). Materials of instruction in elementary science; organization of these materials as independent units; organization of integrated science and social studies units. Walter A. Thurber. Daily, 10 to 11:20. Address inquiries to Irving R. Melbo, Dean, School of Education. **381**

June 23 to August 2—SUMMER INSTITUTE FOR HIGH SCHOOL TEACHERS OF CHEMISTRY AND PHYSICS (480, 6 units). Sponsored by the National Science Foundation and designed to present high school teachers of chemistry and physics with modern concepts in selected areas of physical science. Not available for credit toward a degree in the physical sciences or in engineering. Charles S. Copeland, Willard Geer, and staff. Daily, lectures, 9 to 10:20; discussion, 10:30 to 11:53. Address inquiries to Charles S. Copeland, Chemistry Department. **382**

August 4 to August 30—CORE CURRICULUM LABORATORY (593, 2 units). Methods, materials, and content for block, unified, or core programs. Prerequisite: secondary teaching or directed teaching. William Georgiades. Daily, 1:15 to 3:55. Address inquiries to Irving R. Melbo, Dean, School of Education. **383**

July 21 to August 1—PROBLEMS OF THE JUNIOR HIGH SCHOOL (551, 2 units). Individual and group analysis of the program of the junior high school; current trends, practices, problems, related research. Prerequisite: TT 301, or Se 550, or teaching experience. Marion E. Herriott. Daily, 1:15 to 3:55. Address inquiries to Irving R. Melbo, Dean, School of Education. **384**

June 23 to August 2—MATERIALS AND METHODS FOR FAMILY LIFE EDUCATION (560, 2 units). Materials and methods for the direction of learning activities in the fields of sex education and family life. For high school and junior college teachers. Ralph Eckert. Daily, 10 to 10:53. Address inquiries to Irving R. Melbo, Dean, School of Education. **385**

June 23 to August 2—NEWSPAPER WORKSHOP FOR HIGH SCHOOL STUDENTS (025, 0 units). Publication problems: developing ideas, copyreading, make-up, advertising. Reporting for *Summer News*. Guest lecturers; field trips. Open only to publication staff members. Don M. Desfor. M.W.F., 1:15 to 3:15. Tuition fee, \$35. Register at Receipts Audit, Owens Hall Annex. There is an additional fee of \$12.50 to cover miscellaneous expenses including textbooks, field trip transportation, and special luncheons. Address inquiries to John H. McCoy, Director, School of Journalism. **386**

June 30 to July 25—WORKSHOP IN HIGH SCHOOL FORENSICS (025, 0 units). Debate, discussion, extemporaneous speaking, oratory, and interpretation. Lectures and laboratory experience. James H. McBath. Daily, 9 to 11:30 and 1 to 4. Tuition fee, \$50. Register at Receipts Audit, Owens Hall Annex. Address inquiries to Milton C. Dickens, Department of Speech. **387**

June 23 to July 18—RADIO-TELEVISION WORKSHOP FOR HIGH SCHOOL STUDENTS (025, 0 units). Elementary theory and practice of radio and television broadcasting. Studio experience with facilities of KUSC-FM and KUSC-TV. Stuart W. Hyde. Daily, 10:30 to 11:53. Tuition fee, \$35. Register at Receipts Audit, Owens Hall Annex. Address inquiries to Kenneth A. Harwood, Telecommunications Department. **388**

June 23 to August 2—THEATER WORKSHOP FOR HIGH SCHOOL STUDENTS (025, 0 units). Practical work in acting and staging plays for public performance. Open to qualified high school drama students and recent high school graduates. James H. Butler and Harold Salisbury. Daily, 1:15 to 3:05. Tuition fee, \$35. Register at Receipts Audit, Owens Hall Annex. Address inquiries to James H. Butler, Drama Department. **389**

June 23 to August 2—OBSERVATION OF NEWER PRACTICES IN ELEMENTARY SCHOOLS (431, 2 units). Observation and evaluation of the setting of the program and the activity of pupils and teacher in a typical modern elementary school. Prerequisites: teaching experience. Rena Everly. Daily, 10 to 10:53. Address inquiries to Irving R. Melbo, Dean, School of Education. **390**

July 11, July 18, July 25, August 15—CONFERENCES FOR SCHOOL ADMINISTRATORS. The School of Education of the University of Southern California invites school administrators and other educators to participate in the discussions at these conferences. **391**

July 22—GUIDANCE CONFERENCE. A one-day conference on the problems of guidance and personnel work will be sponsored by the School of Education. Specialists in guidance, including visiting staff members, will participate. **392**

INSTITUTE OF BUSINESS ECONOMICS. In response to a growing need for better understanding of our system of free enterprise capitalism, the University offers the Institute of Business Economics. One or more sessions of the Institute are offered each summer. Each session is limited to 35 business executives, selected on the basis of applications submitted in advance. The work of the institute is carried on largely by means of informal discussion between the participants and a faculty team of six. After considering the technical tools of analysis, the institute attempts to reach agreement on various social and economic problems. The institute is under the direction of Lawrence C. Lockley, Dean of the School of Commerce. **393**

IDYLLWILD SCHOOL OF MUSIC AND THE ARTS. Courses of the workshop type are offered during the summer at the Idyllwild School of Music and the Arts, Idyllwild, in music, arts and crafts, dance, and drama. The school also offers a program for high school students which includes chorus, orchestra, and band. Further information regarding either the college or high school program can be secured by addressing Max T. Krone, Professor of Music Education, Idyllwild Arts Foundation, Idyllwild. **394**

See also pages 228-29, items 110-124.

WHITTIER COLLEGE, Whittier

First Summer Session: June 23 to August 1

Second Summer Session: August 4 to August 29

Tuition: \$16 per unit, undergraduate; \$17 per unit, graduate

Harold F. Spencer, *Dean and Director of Summer Sessions*

June 23 to June 27—WORKSHOP IN INTERGROUP RELATIONS (1 unit). Conducted by the Department of Sociology in co-operation with the Los Angeles County Conference on Human Relations. National leaders in the field of human relations will participate in the workshop. Malcolm Farmer. **395**

June 23 to August 1—READING CLINIC. Children of all ages will be enrolled in the clinic to receive assistance in the improvement of their reading. Advanced and beginning student clinicians will have the opportunity to do actual corrective work under supervision. Leila Armstrong, director. (Also given during second session, August 4 to August 29.) **396**

June 23 to August 1—SPEECH AND HEARING CLINIC. Approximately 50 children and adults will be enrolled to receive clinical assistance in correction of speech and hearing defects. Advanced and beginning student clinicians will have the opportunity to do actual corrective work under supervision. Lester Harris. **397**

June 23 to August 1—SUMMER DEMONSTRATION KINDERGARTEN. Operated in Broad-oaks School on Whittier Campus. KINDERGARTEN CURRICULUM AND METHODS will be offered by Veola Neely; and SCHOOL ORIENTATION-SUPERVISED OBSERVATION will be offered by Martha Reynolds. **398**

June 23 to August 1—WORKSHOPS IN SCHOOL ADMINISTRATION:

June 23 to July 3—SCHOOL CURRICULUM CONSTRUCTION AND EVALUATION (2 units). Howard C. Hoffman, Director of Elementary Education, Office of County Superintendent of Schools, Los Angeles County.

July 7 to July 18—LEGAL ASPECTS OF EDUCATION (2 units). John G. Ross, Assistant Superintendent, Administrative Services, Office of County Superintendent of Schools, Kern County.

July 21 to August 1—ORGANIZATION AND ADMINISTRATION OF THE ELEMENTARY SCHOOL (2 units). Marshall C. James, Principal, Monteith School, Grosse Point Woods, Wisconsin. **399**

July 9 to July 12—Twenty-fourth INSTITUTE OF INTERNATIONAL RELATIONS. Conducted under the auspices of the American Friends Service Committee. Authorities from this country as well as from abroad will participate. **400**

July 13 to July 19—WORKSHOP IN RELIGIOUS CHORAL MUSIC (1 unit). Consideration will be given to modern composition, repertoire, use of the organ, techniques of conducting, and the singing of choral literature. Eugene Riddle. **401**

August 4 to August 15—ORGANIZATION AND ADMINISTRATION OF SECONDARY SCHOOLS (2 units). Walter J. Pray, Principal, La Habra High School, Fullerton Joint Union High School District. **402**

August 4 to August 15—WORKSHOP IN SOCIAL STUDIES (2 units). Helen Perry Doak, General Supervisor of Elementary Education, Alhambra City Elementary School District. **403**

August 18 to August 29—THE TEACHING OF READING (2 units). E. W. Dolch, Professor Emeritus of Education, University of Illinois. **404**

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FIRST PERIOD APPORTIONMENT FOR GROWTH

RAY H. JOHNSON, *Chief, Bureau of School Apportionments and Reports*

The First Period Apportionment for Growth in regular day schools was certified by the Superintendent of Public Instruction to the State Controller on February 20, 1958, in the amount of \$13,356,400. This apportionment from the State School Fund, and a similar one scheduled to be made just before the close of the fiscal year, were designed and authorized by law to provide state assistance to those school districts of the state which continue to experience severe financial problems due to rapidly increasing numbers of pupils in attendance.

The law specifies that two apportionments be made each year to those school districts having more pupils in attendance during the current fiscal year than during the previous fiscal year. The second such apportionment to be made in June, 1958, will be the Second Period Apportionment for Growth. The two amounts are computed in such manner that the total state aid to school districts will be approximately the same, in its distribution among districts, as the amounts which would be employed if the current year's average daily attendance were used for apportionment purposes instead of the average daily attendance of the preceding fiscal year. Therefore, apportionments for growth supplement the Principal Apportionment¹ wherein the factor of the preceding fiscal year's average daily attendance is used. This is the same factor that is required by the Constitution to be employed in determining the total amount of the State School Fund for any fiscal year.

In general, allowances are made for growth in average attendance between the corresponding periods at the annual unit rate² determined in the Principal Apportionment, modified by a part-year factor. The part-year factor for the First Period Apportionment for Growth represents the number of days of teaching during the first period, divided by 175. A new computation is made of the amount of basic state aid and state equalization aid that would have been allowed in the Principal Apportionment had the average daily attendance been equal to that of the current attendance reported in the case of (1) elementary school districts maintaining, during the preceding fiscal year, only one elementary school with a total average daily attendance during such preceding fiscal year of less than 101, exclusive of pupils attending grades 7 and 8 of a junior high school, and (2) high school districts maintaining, during the preceding fiscal year, only one high school with a total average daily

¹ The Principal Apportionment was set forth in detail in *Apportionment of the State School Fund for the Fiscal Year Ending June 30, 1958—Part I—Principal Apportionment*, California State Department of Education, Sacramento, December, 1957.

² The annual unit rate is the amount of basic aid and equalization aid allowed per unit of average daily attendance to each district in the Principal Apportionment.

attendance during such preceding fiscal year of less than 281. No allowances were made for small elementary school districts (under 101) unless growth placed them in a higher attendance bracket and the appropriate number of teachers were hired. The brackets of average daily attendance with the corresponding number of teachers required are as follows:

<i>a.d.a.</i>	<i>Number of teachers</i>
1- 25	1
26- 50	2
51- 75	3
76-100	4

A comparison of the First Period Apportionment for Growth in 1957-58 with the First and Second Period Apportionments for Growth made during each of the past three fiscal years is shown in Table 1.

Growth in average attendance as shown in Table 1 represents total growth in those districts which reported growth and which received

TABLE 1
**SUMMARY OF GROWTH IN AVERAGE ATTENDANCE AND AMOUNTS AP-
PORTIONED, 1957-58 AND COMPARATIVE FIGURES OF 1956-57, 1955-56,
AND 1954-55**

Fiscal year and level of attendance	First period (February)			Second period (June)			Total amount apportioned (Col. 4 plus Col. 7)
	Number of districts	Growth in average attendance	Amount apportioned	Number of districts	Growth in average attendance	Amount apportioned	
1	2	3	4	5	6	7	8
Fiscal year 1957-58							
Elementary school.....	817	129,820	\$8,855,573.00				
High school.....	295	64,440	3,636,175.00				
Junior college.....	48	15,629	864,652.00				
Total.....	1,160	209,889	\$13,356,400.00				
Fiscal year 1956-57							
Elementary school.....	799	134,670	\$8,465,060.00	799	135,327	\$13,281,195.00	\$21,746,255.00
High school.....	294	55,005	2,968,150.00	294	54,722	4,594,974.00	7,563,124.00
Junior college.....	44	9,944	533,423.00	43	9,202	783,334.00	1,316,757.00
Total.....	1,137	199,619	\$11,966,633.00	1,136	199,251	\$18,659,503.00	\$30,626,136.00
Fiscal year 1955-56							
Elementary school.....	782	136,842	\$8,676,098.00	804	137,435	\$13,242,321.00	\$21,918,419.00
High school.....	270	36,287	2,063,574.00	261	35,795	3,046,350.00	5,109,924.00
Junior college.....	49	13,024	689,627.00	46	10,400	855,278.00	1,544,905.00
Total.....	1,101	186,153	\$11,429,299.00	1,111	183,630	\$17,143,949.00	\$28,573,248.00
Fiscal year 1954-55							
Elementary school.....	816	122,785	\$7,630,941.31	812	124,647	\$11,821,565.87	\$19,452,507.18
High school.....	279	34,121	1,901,114.79	280	31,352	2,647,044.34	4,548,159.13
Junior college.....	51	21,248	1,068,244.70	50	18,266	1,431,840.99	2,500,085.69
Total.....	1,146	178,154	\$10,600,300.80	1,142	174,265	\$15,900,451.20	\$26,500,752.00

TABLE 2
FIRST PERIOD APPORTIONMENT FOR GROWTH AND PRINCIPAL
APPORTIONMENT, 1957-58, BY COUNTIES

Co. No.	County	Principal Apportionment September 25, 1957	First Period Apportionment for Growth February 20, 1958	Ratio of First Period Apportionment for Growth to Principal Apportionment expressed in per cents	
				1957-58	1956-57
1	2	3	4	5	6
1	Alameda.....	\$26,737,060	\$697,153	2.61	2.40
2	Alpine.....	10,119	---	---	6.62
3	Amador.....	473,674	4,656	0.98	1.60
4	Butte.....	3,257,000	62,620	1.92	2.41
5	Calaveras.....	389,310	2,094	0.54	0.35
6	Colusa.....	441,551	4,899	1.11	1.65
7	Contra Costa.....	16,865,125	428,774	2.54	3.01
8	Del Norte.....	691,171	7,396	1.07	3.51
9	El Dorado.....	793,467	35,475	4.47	3.59
10	Fresno.....	16,006,960	316,275	1.98	2.56
11	Glenn.....	738,175	8,054	1.09	1.52
12	Humboldt.....	4,779,870	61,526	1.29	2.45
13	Imperial.....	3,379,098	32,860	0.97	0.87
14	Inyo.....	536,082	7,406	1.38	1.51
15	Kern.....	12,368,725	271,095	2.19	2.28
16	Kings.....	2,010,717	48,543	2.41	0.91
17	Lake.....	431,558	13,452	3.12	1.10
18	Lassen.....	822,268	8,826	1.07	0.48
19	Los Angeles.....	163,813,913	4,028,536	2.46	2.66
20	Madera.....	1,944,004	25,861	1.33	1.15
21	Marin.....	4,084,733	147,690	3.62	4.65
22	Mariposa.....	138,047	2,473	1.79	1.40
23	Mendocino.....	2,470,268	19,549	0.79	1.21
24	Merced.....	3,616,213	80,228	2.22	2.34
25	Modoc.....	408,402	4,674	1.14	1.24
26	Mono.....	69,429	374	0.54	---
27	Monterey.....	5,773,999	128,977	2.23	3.84
28	Napa.....	2,215,263	47,403	2.14	2.89
29	Nevada.....	633,858	6,200	0.98	0.81
30	Orange.....	18,876,399	1,417,810	7.51	8.78
31	Placer.....	2,104,271	56,259	2.67	1.92
32	Plumas.....	360,358	2,061	0.57	0.96
33	Riverside.....	8,314,282	292,158	3.51	3.03
34	Sacramento.....	17,632,614	646,469	3.67	4.33
35	San Benito.....	450,830	7,760	1.72	1.54
36	San Bernardino.....	17,819,352	607,697	3.41	3.39
37	San Diego.....	27,886,642	1,125,825	4.04	3.59
38	San Francisco.....	11,686,604	156,512	1.34	0.81
39	San Joaquin.....	9,079,725	178,760	1.97	1.49
40	San Luis Obispo.....	2,465,413	69,413	2.82	2.41
41	San Mateo.....	12,940,034	434,868	3.36	3.58
42	Santa Barbara.....	3,469,293	112,485	3.24	2.34
43	Santa Clara.....	17,949,768	786,351	4.38	4.92
44	Santa Cruz.....	2,106,652	47,362	2.25	2.64
45	Shasta.....	2,735,341	87,961	3.22	4.03
46	Sierra.....	140,735	601	0.43	5.35
47	Siskiyou.....	1,669,352	18,291	1.10	1.58
48	Solano.....	4,907,778	88,885	1.81	1.07
49	Sonoma.....	5,149,208	116,459	2.26	2.60
50	Stanislaus.....	7,840,734	125,674	1.60	1.99
51	Sutter.....	1,214,943	25,713	2.12	0.49
52	Tehama.....	1,032,657	26,641	2.58	3.43
53	Trinity.....	367,800	34,666	9.43	7.52
54	Tulare.....	7,711,563	115,685	1.50	1.25
55	Tuolumne.....	618,276	---	---	2.37
56	Ventura.....	5,701,719	199,907	3.51	3.49
57	Yolo.....	2,262,813	49,502	2.19	3.11
58	Yuba.....	1,441,435	21,556	1.50	0.75
	Totals.....	\$471,836,650	\$13,356,400	2.83	2.96

allowances for growth in comparison with the average attendance of the corresponding periods of the preceding fiscal year. Loss in attendance in the districts which experienced a loss, and the gains or losses in attendance in certain districts which did not receive an allowance, have not been included.

The total amount apportioned for elementary school, high school, and junior college levels for each county as the Principal Apportionment, September 25, 1957, together with the total amount apportioned for each county for the three levels as the First Period Apportionment for Growth, February 20, 1958, is shown in Table 2. Column 5 of this table shows the ratios expressed in per cents between the First Period Apportionment for Growth and the Principal Apportionment 1957-58. Column 6 shows the corresponding ratios expressed in per cents that existed in 1956-57. These ratios indicate the severity of the problem of growth in the several counties. As shown in Table 2, allowances for growth were made to districts in all counties except those of Alpine and Tuolumne. A year ago, allowances were made to districts in all counties with the exception of Mono County.

The amount reserved for the First Period Apportionment for Growth, \$13,775,821 (40 per cent of \$12.57 times last year's total a.d.a.), exceeded the amount of the computed allowances for all districts, \$13,356,400, by \$419,421. No correction factors were required in computing the allowances this year. The unapportioned total of \$419,421 will be used to increase the amounts available for apportionment in the Second Period Apportionment for Growth if needed.

The total of the State School Fund for the fiscal year 1957-58 is \$534,251,328. The following apportionments have been made to date:

Principal Apportionment.....	September 25, 1957	\$471,836,650
Special Purpose Apportionment.....	December 6, 1957	27,304,579
First Period Apportionment for Growth.....	February 20, 1958	13,356,400
Total apportioned to date.....		\$512,497,629

The present remainder of the State School Fund is \$21,753,699. A portion of this total balance, \$21,083,153, including the remainder of \$419,421 from the First Period Apportionment for Growth, is reserved for the Second Period Apportionment for Growth. Any amounts remaining in the State School Fund at the close of the fiscal year not employed for earlier apportionments will be used to restore reduced amounts when amounts reserved by law are found inadequate to meet the total of the computed allowances. Thereafter, any remaining balance will be allowed as additional equalization aid to the school districts that were allowed state equalization aid in the Principal Apportionment. The apportionment of these balances will constitute the Final Apportionment.

Departmental Communications

OFFICE OF THE SUPERINTENDENT OF PUBLIC INSTRUCTION

ROY E. SIMPSON, *Superintendent*

APPOINTMENT TO STAFF

CHARLES D. GIBSON was appointed Chief of the Bureau of School Planning, effective March 1, to replace Paul L. Rivers who retired. From 1943 to the present, Mr. Gibson had been Supervising Field Representative for the Bureau, with headquarters in Los Angeles.

Mr. Gibson resigned his position as Superintendent of the Mountain View Elementary School District, Los Angeles County, in 1943, to accept a position with the Bureau of School Planning. His first assignment with the Bureau involved working with Federal agencies in securing housing for the child care centers and for the schools required during and after World War II. His background of experience as a teacher, supervisor, principal, and superintendent of schools helped him to be most successful in this work.

In addition to carrying on his regular duties with the Bureau of School Planning, Mr. Gibson has been active in the general field of school planning, serving as President of the National Council on Schoolhouse Construction in 1953-54. He has lectured in many sections of the United States and has had articles published in the following magazines: *American School Board Journal*, *Nation's Schools*, *School Executive*, *American School and University*, *NEA Journal*, *Sightsaving Review*, *Architectural Record*, *Architectural Forum*, and *Illuminating Engineering*.

Mr. Gibson helped to develop the *Guide for Planning School Plants*, the official handbook of the National Council on Schoolhouse Construction. He and Louis Means, who is now Consultant in School Recreation, Bureau of Health Education, Physical Education, and Recreation, were coauthors of *Planning School-Community Swimming Pools*, which was published by the State Department of Education.

Mr. Gibson has become internationally recognized for his work in the field of school lighting. He is a long-time member of the Illuminating Engineering Society, and in 1956 was elected Fellow in that national organization. He is a member of a nine-man national committee of architects, engineers and educators who are revising the American Standards Association publication relating to school lighting.

Mr. Gibson is a member of the American Association of School Administrators, the California Association of School Administrators, the California Association of Public School Business Officials and a number of other educational and civic organizations.

BUREAU OF TEXTBOOKS AND PUBLICATIONS

IVAN R. WATERMAN, *Chief*

ADDITIONS TO STATE LIST OF HIGH SCHOOL TEXTBOOKS

NEW BOOKS

The following books have been added to the official state list of high school textbooks since publication of the March, 1958, issue of *California Schools*.

AGRICULTURE		New	Prices Exchange
Elementary Agriculture			
Robertson, <i>Farm Management</i> (1958).....	Lippincott	\$3.52	\$3.43
Farm Mechanics			
Parker, <i>Farm Welding—Arc and Oxyacetylene Welding</i> , third edition (1958).....	McGraw	4.32	—
Stone & Gulvin, <i>Machines for Power Farming</i> (1957).....	Wiley	4.76	—
Field Crops			
Klingman, <i>Crop Production in the South</i> (1957).....	Wiley	3.96	—
Poultry Husbandry			
Parnell, <i>Profitable Poultry Production</i> (1957).....	Wiley	4.96	—
BUSINESS			
Bookkeeping, Accounting and Record Keeping			
Herbert, Marshall & Gilbert, <i>Bookkeeping and Accounting Simplified</i> , Advanced Course (1958).....	Gregg	3.17	3.09
Business Arithmetic			
McNelly & Adams, <i>Business Arithmetic</i> , fourth edition (1958).....	Prentice	2.91	2.84
Rosenberg & Lewis, <i>Business Mathematics, Principles and Practice—Complete</i> , fifth edition (1958).....	Gregg	3.07	3.00
Business Training			
Marti, <i>Income Tax and Social Security Course</i> , twelfth edition (1958).....	Prentice	2.00	1.95
Tonne, Simon & McGill, <i>Business Principles, Organization and Management</i> (1958).....	Gregg	3.07	3.00
Secretarial and Office Practice			
Archer, Brecker & Frakes, <i>General Office Practice</i> (1958).....	Gregg	2.91	2.84
Typewriting			
Rowe & Lloyd, <i>Gregg Typing, One-Year Course</i> , second edition (1958).....	Gregg	2.30	2.25

ENGLISH		New	Prices Exchange
Composition and Grammar			
Bailey & Others, <i>Our English Language</i> (1957)	American		
Third Course		\$2.88	\$2.81
Fourth Course		2.88	2.81
Reading			
Wood & Barrows, <i>Reading Skills</i> (1958)	Holt	2.91	2.84
Spelling			
Billington, <i>Spelling and Using Words</i> (1957)	Silver		
Consumable edition			
[Grade 7]		.58	---
[Grade 8]		.58	---
Nonconsumable edition			
[Grade 7]		1.31	1.28
[Grade 8]		1.31	1.28
Patton & Johnson, <i>Spelling for Word Mastery—Common</i> <i>Words for Secondary Schools</i> (1958)	Merrill		
Book I		.77	.72
Book II		.77	.72
Vocabulary Building and Word Study			
Miller, <i>Word Wealth</i> (1958)	Holt	2.37	2.31
GUIDANCE, ORIENTATION AND PERSONALITY DEVELOPMENT			
Detjen & Detjen, <i>Your High School Days</i> , second edition (1958)	McGraw	3.17	---
HEALTH AND HYGIENE			
Rathbone, Bacon & Keene, <i>Health in Your Daily Living</i> (1958)	Houghton	3.17	3.09
HOMEMAKING			
Child Care and Development			
Shuey, Woods & Young, <i>Learning About Children</i> (1958)	Lippincott	2.88	2.81
Home Management and Family Living			
Fitzsimmons & White, <i>Management for You</i> (1958)	Lippincott	3.36	3.28
Jones & Burnham, <i>Junior Homemaking</i> (1958)	Lippincott	2.98	2.91
MATHEMATICS			
Algebra			
Morgan & Paige, <i>Algebra 1</i> (1958)	Holt		
[With Answers]		3.23	3.15
[Without Answers]		3.10	3.03
Arithmetic and General Mathematics			
Freund, <i>A Modern Introduction to Mathematics</i> (1956)	Prentice	5.20	5.07
Lasley & Mudd, <i>The New Applied Mathematics</i> , fifth edition (1958)		2.78	2.71
Morton & Others, <i>Making Sure of Arithmetic</i> (1958)	Silver		
[Grade] 7		2.24	2.19
[Grade] 8		2.24	2.19
Geometry—Plane and Spherical			
Welchonts, Krickenberg & Pearson, <i>Plane Geometry</i> (1958)	Ginn	3.10	3.03

SCIENCE

Biology		New	Prices Exchange
Fitzpatrick & Bain, <i>Living Things</i> (1958).....	Holt	\$3.30	\$3.22
Lauby, Silvan & Mork, <i>Biology</i> (1958).....	American	4.19	4.09
Chemistry			
Hogg, Alley & Bickel, <i>Chemistry—A Basic Science</i> (1947)	Van Nostrand	3.74	3.63
General Science			
Davis, Burnett & Gross, <i>Science</i> (1958).....	Holt		
<i>Observation and Experiment</i> [Book] 1		2.75	2.68
<i>Experiment and Discovery</i> [Book] 2		2.88	2.81
Physics			
Blackwood, Herron & Kelly, <i>High School Physics</i> , revised edition (1958)	Ginn	4.16	4.06

SOCIAL STUDIES

Geography—General			
Eklaw & Mulkerne, <i>Economic and Social Geography</i> (1958)	Gregg	3.65	3.56
History—United States			
Braddon & McCutchen, <i>History of a Free People</i> (1958)	Macmillan	4.26	4.15
Pantell & Cass, <i>We Americans</i> (1957)	Oxford	1.87	—

VOCATIONAL AND TECHNOLOGICAL TRAINING AND INDUSTRIAL ARTS

Electricity			
DeFrance, <i>Alternating Current Fundamentals</i> , second edi- tion (1957)	Prentice	3.80	3.70
Radio, Television, Radar and Electronics			
Wellman, <i>Elementary Industrial Electronics</i> , second edi- tion (1957)	Van Nostrand	3.46	—

REVISED EDITIONS

The following revised editions have been placed on the official state list of high school textbooks since publication of the March, 1957, issue of *California Schools*, to replace editions previously listed.

BUSINESS

Business English		New	Prices Exchange
Parkhurst, <i>English for Business</i> , third edition (1958).....	Prentice	2.72	2.65

SCIENCE

Biology			
Vance & Miller, <i>Biology for You</i> , fourth edition (1958)	Lippincott	3.84	3.74
Chemistry			
Lemkin, <i>Visualized Chemistry</i> (1957).....	Oxford		
Clothbound edition		1.71	1.60
Paper-bound edition96	.90

SOCIAL STUDIES

	New	Prices Exchange
Civics and Citizenship		
<i>Magruder's American Government</i> , revised by McClen- aghan (1958) Allyn	\$3.96	\$3.86
Perry & Buckley, <i>Visualized Civics</i> , paper-bound (1956) Oxford	.96
History—United States		
Canfield & Wilder, <i>The Making of Modern America</i> (1958) Houghton	4.22	4.12
Dorf, <i>Visualized American History</i> , revised edition (1957) Oxford	.96
History—World		
Dorf, <i>Visualized World History</i> , revised edition (1957) Oxford	.96
International Relations and World Affairs		
Peck, <i>The World in Our Day</i> , revised edition (1956) Oxford	.91

SPANISH

Jarrett, <i>El Camino Real</i> , Book Two, third edition (1958) Houghton	3.63	3.55
Jarrett & McManus, <i>El Camino Real</i> , Book One, third edition (1958) Houghton	3.57	3.49

For Your Information

STATE BOARD OF EDUCATION ACTIONS

The following actions were taken by the State Board of Education at its regular meeting held in Santa Rosa, March 6, 7, and 8, 1958.

Adoption of Textbooks and Teachers Manuals in Spelling, Handwriting, Science, and Health

On recommendation of the State Curriculum Commission, the Board adopted the following textbooks and teachers manuals in spelling, handwriting, science, and health, for periods as indicated, beginning July 1, 1959, subject to revision by the State Department of Education under the direction of the State Curriculum Commission.

SPELLING

Adoption period: Not less than 6 years nor more than 8 years
SUCCESS IN SPELLING, Workbook edition, by Richard Madden and Thorsten Carlson, published by World Book Company, Yonkers, New York.

BASIC TEXTBOOKS

Pupils books for grades 3, 4, 5, 6, 7, and 8

TEACHERS MANUALS

Teachers guide for grades 1 and 2

Teachers editions of pupils books, grades 3 through 8

HANDWRITING

Adoption period: Not less than 4 years nor more than 8 years
NOBLE'S HANDWRITING FOR EVERYDAY USE, published by Noble and Noble, Publishers, Inc., New York, New York

BASIC TEXTBOOKS

Pupils books for grades 3, 4, 5, 6, 7, and 8

TEACHERS MANUALS

Grades 1 and 2, Manuscript Writing Made Easy (Complete Instructions for Teaching Print-Script)

Grades 3 through 8, Handwriting Made Easy (Teachers Manual and Refresher Course in Manuscript Writing—Transition to Cursive Writing)

SCIENCE

TEXTBOOKS AND TEACHERS EDITIONS

HEATH ELEMENTARY SCIENCE, by Herman and Nina Schneider, published by D. C. Heath and Company, Boston, Massachusetts.

Grade 1, *Science for Work and Play*

Grade 2, *Science for Here and Now*

Grade 3, *Science Far and Near*

Grade 4, *Science in Your Life*

Grade 5, *Science in Our World*

Grade 6, *Science for Today and Tomorrow*

Basis of distribution: 1 copy for each 2 pupils in grades 1, 2, and 3; and 1 copy for each pupil in grades 4, 5, and 6

Adoption period: Not less than 4 years nor more than 8 years

TEXTBOOKS AND TEACHERS EDITIONS

SCIENCE FOR BETTER LIVING, by Paul F. Brandwein, Leland G. Hollingworth, Alfred D. Beck and Anna E. Burgess, published by Harcourt, Brace and Company, New York, New York.

Grade 7, *You and Your World*

Grade 8, *You and Your Inheritance*

Basis of distribution: 1 copy per pupil in each grade

Adoption period: Not less than 4 years nor more than 8 years

SUPPLEMENTARY TEXTBOOKS AND TEACHERS MANUALS

Books published by D. C. Heath and Company, Boston, Massachusetts

Grade 3, *The First Book of Birds*, by Margaret Williamson

The First Book of Dogs, by Gladys Taber

Grade 4, *The First Book of Stones*, by M. B. Cormack

The First Book of Bees, by Albert B. Tibbetts

Grade 5, *The First Book of Trees*, by M. B. Cormack

Grade 6, *The First Book of Airplanes*, by Jeanne Bendick

The First Book of Electricity, by Sam and Beryl Epstein

Grades 7 and 8, *The First Book of Electricity*, by Sam and Beryl Epstein

Basis of distribution: Books for use in grades 3, 4, 5, and 6, 1 copy of each per classroom, books for use in grades 7 and 8, 2 copies per classroom

Adoption period: Not less than 4 years nor more than 8 years

Grade 4, *California Wonder World*, by Katherine Peter and Robert Wadham, published by the Century Schoolbook Press, San Francisco, California.

Teachers manual to accompany above book

Basis of distribution: 3 copies of supplementary books for each classroom

Adoption period: Not less than 4 years nor more than 8 years

Grade 6, *The Big City Book of Conservation*, by Catherine Urell, Ann Jennings, and Florence R. Weinberg, published by Follett Publishing Company, Chicago, Illinois

Basis of distribution: 3 copies for each classroom

Adoption period: Not less than 4 years nor more than 8 years

Grades 5, 6, 7, and 8, *A Dipper Full of Stars, A Beginners Guide to the Heavens*, by Lou Williams, published by Follett Publishing Company, Chicago, Illinois

Basis of distribution: 1 copy for each 5th and 6th grade classroom and 2 copies for each 7th and 8th grade classroom

Adoption period: Not less than 4 years nor more than 8 years

BASIC SCIENCE EDUCATION SERIES, by Parker and Others, published by Row, Peterson and Company, Evanston, Illinois

Grade 1: *Fall is Here, Winter is Here, Spring is Here, Summer is Here, Birds in Your Back Yard, Leaves, Toys*

Grade 2: *Six-Legged Neighbors, Animals and Their Young, Animals Round the Year, Animals That Live Together, Birds in the Big Woods, The Pet Show, Water Appears and Disappears*

Grade 3: *An Aquarium, Doing Work, How the Sun Helps Us, The Insect Parade, Plants Round the Year, Useful Plants and Animals*

Grade 4: *Animals of the Seashore, Animals We Know, Birds, Clouds, Rain and Snow, Fire, The Garden and Its Friends, Garden Indoors, Living Things, Magnets, Seeds and Seed Travels, Spiders, Toads and Frogs*

Grade 5: *The Air About Us, Fishes, Gravity, Plant and Animal Partnership, Plant Factories, Reptiles, The Sky Above Us, Stories Read from the Rocks, Trees, Water, What Things Are Made Of, You As a Machine*

Grade 6: *Animal Travels, Animals of Yesterday, Dependent Plants, The Earth A Great Storehouse, Electricity, Flowers, Fruits and Seeds, Insects*

and Their Ways, Machines, Saving Our Wild Life, The Scientist and His Tools, Sound, Thermometers, Heat and Cold

Grade 7: *Adaptation to Environment, Animal World, Ask the Weatherman, Beyond the Solar System, Domesticated Animals, Foods, Insect Friends and Enemies, Insect Societies, Keeping Well, Life Through the Ages, The Sun and Its Family, Superstition or Science, Water Supply, The Ways of the Weather*

Grade 8: *Balance in Nature, Community Health, Domesticated Plants, Earth's Changing Surface, Earth's Nearest Neighbor, Fire, Friend and Foe, Heat, How We Are Built, Light, Matter and Molecules, Our Ocean of Air, Plant World, Soil*

Basis of distribution: 1 copy of each booklet per classroom, grades 1 and 2; 3 copies of each booklet per classroom, grades 3, 4, 5, and 6; 5 copies of each booklet per classroom, grades 7 and 8. Teachers manuals to accompany above booklets

Adoption period: Not less than 4 years nor more than 8 years

HEALTH

Adoption period: Not less than 4 years nor more than 8 years

THE ROAD TO HEALTH SERIES, by Edwina Jones and Others, published by Laidlaw Brothers, River Forest, Illinois

BASIC TEXTBOOKS AND TEACHERS EDITIONS

Grade 1, *My First Health Book*

Grade 2, *My Second Health Book*

Grade 3, *Easy Steps to Health*

Grade 4, *Health Trails*

Grade 5, *Your Health and You*

Grade 6, *Keeping Healthy*

Grade 7, *For Healthful Living*

Grade 8, *Good Health for Better Living*

Basis of distribution: 1 copy for each 2 pupils in grades 1, 2, and 3, and 1 copy for each pupil in grades 4, 5, 6, 7, and 8

Schedule of State Board of Education Meetings, 1958

The following schedule of the regular meetings to be held in 1958 was adopted by the State Board of Education.

Dates, 1958	Place of meeting
January 2, 3, and 4	Los Angeles
March 6, 7, and 8	Santa Rosa
May 8, 9, and 10	Fresno State College
July 10, 11, and 12	San Francisco
September 11, 12, and 13	California State Polytechnic College
	San Luis Obispo
November 6, 7, and 8	Chico State College

Approval of Changes in School District Organization

In accordance with the provisions of Chapter 16 of Division 2 of the Education Code (Sections 4871-4991), the Board approved the following proposal:

Formation of a unified school district in Santa Clara County—A proposal by the augmented Santa Clara County Committee on School District Organization that an election be held to determine whether the voters in the Encinal, Llagas, Machado, Morgan Hill-Burnett, and San Martin elementary school districts and those in the Live Oak Union High School district wish to form a unified school district.

Revocation of Credentials for Public School Service

The board revoked the credentials, life diplomas, and other documents for public school service heretofore issued to the following persons, effective on the dates shown:

<i>Revocation effective</i>	<i>By authority of Education Code Section</i>	
Andries, Maurice Clement	February 23, 1958	12754
Brees, Ernest Walter, Jr.	February 11, 1958	12754
Eason, James Madison	February 27, 1958	12754
Hoelt, Walter Erwin	January 28, 1958	12754
Turner, Margaret Marie Gunnerud	February 11, 1958	12754
Williams, Harold Scott	February 26, 1958	12754

Suspension of Credentials for Public School Service

In accordance with the provisions of Education Code Section 12752, the Board ordered the suspension, for a period of two years beginning November 30, 1957, of the residuary rights in and right of renewal of the general secondary school credential of Grant William Mortensen.

Professional Literature

PUBLICATIONS RECEIVED

Bases for the Development of Programs of the Geography and History of America in Secondary and Higher Education, for the Purpose of Promoting Inter-American Understanding and Solidarity. Committee for Cultural Action of the Inter-American Cultural Council. Washington 6, D.C.: Department of Cultural Affairs, Pan American Union, 1957 (mimeographed). \$0.25.

CRAIG, GERALD S. *Science for the Elementary-School Teacher.* Boston 17, Mass.: Ginn & Co., 1958 (second revised edition). Pp. 894. \$6.75.

Curriculum Design of the New York City Schools: Curriculum Research Report. Bureau of Curriculum Research of the Board of Education of the City of New York. N.Y. 19: Board of Education of the City of New York, [n.d.]. Pp. 22. \$0.25.

Fire Prevention Education, 1958. Bureau of Elementary Curriculum Development and Bureau of Secondary Curriculum Development. Albany, N.Y.: University of the State of New York, State Education Department, 1958. Pp. 64.

The High School in a Changing World. Thirty-sixth Yearbook of the American Association of School Administrators. Washington 6, D.C.: American Association of School Administrators, 1958. Pp. 384. \$5.00.

Methodology of Educational Research. Review of Educational Research, Vol. XXVII, No. 5, December, 1957. Washington 6, D.C.: American Educational Research Association, 1957. Pp. 421-610. \$2.00.

1957 Fall Testing Program in Independent Schools and Supplementary Studies. Educational Records Bulletin, No. 71. New York 32: Educational Records Bureau, 1958. Pp. xii + 64.

The Point of Beginning: The Local School District. Progress Report of the AASA Commission on School District Reorganization. Washington 6, D.C.: American Association of School Administrators, 1958. Pp. 16. \$0.50.

Report on the Situation in America As to Illiteracy. Committee for Cultural Action of the Inter-American Cultural Council. Washington 6, D.C.: Department of Cultural Affairs, Pan American Union, 1957. Pp. 10 (mimeographed). \$0.10.

Salary Policy: A Statement by the Salary Committee of the California Teachers Association, adopted 1953, revised 1958. San Francisco 2: California Teachers Association, 1958. Pp. 26.

School Health Program Essentials: Administrators Check List. Visalia, California: Tulare County School Health Advisory Board, [1958]. Pp. 8. \$1.00.

Study on the Dissemination and Understanding of the Charter of the Organization of American States. Committee for Cultural Action of the Inter-American Cultural Council. Washington 6, D.C.: Department of Cultural Affairs, Pan American Union, 1957. Pp. 12 (mimeographed). \$0.10.

Study on Vacation Colonies for Students. Committee for Cultural Action of the Inter-American Cultural Council. Washington 6, D.C.: Department of Cultural Affairs, Pan American Union, 1957. Pp. 10 (mimeographed). \$0.10.

WENDT, PAUL R. *Audio-Visual Instruction.* What Research Says Series, No. 14. Washington 6, D.C.: Department of Classroom Teachers, American Educational Research Association of the National Education Association, 1957. Pp. 32. \$0.25.

O

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DIRECTORY OF THE CALIFORNIA STATE DEPARTMENT OF EDUCATION

STATE BOARD OF EDUCATION

Term Expires
January 15

William L. Blair, <i>President</i> , Pasadena	1960
Wilber D. Simons, <i>Vice President</i> , Redding	1960
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William N. Bucknam, Ceres	1959
Raymond J. Daba, Redwood City	1962
Dr. Mabel E. Kinney, Los Angeles	1962
Mrs. Seymour Mathiesen, Fresno	1962
Mrs. Eva C. Noland, Salinas	1960
Max Osslo, San Diego	1957
William G. Werner, Alameda	1959

Ray E. Simpson, *Secretary and Executive Officer*

STAFF

(Unless otherwise indicated, all staff members may be reached at the State Education Building, 721 Capitol Avenue, Sacramento 14)

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Ray E. Simpson, *Superintendent of Public Instruction and Director of Education*

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